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MARKETS FOR FOREST PRODUCTS IN SOUTHWEST GEORGIA

by
Arthur S. Todd, Jr.
and
John J. Zirkle, Jr.
Division of Forest Economics

SOUTHEASTERN FOREST EXPERIMENT STATION
ASHEVILLE, NORTH CAROLINA
I. T. HAIG, DIRECTOR

Foreword

This report presents the results of a survey of forest product buyers, buying territories, prices, and specifications conducted under Title II, Section 203 of the Research and Marketing Act of 1946. Work of this kind was approved as Project 5, which authorizes "research on the markets and prices for farm forest products." The authors take this opportunity to thank all the buyers, plant owners, and managers whose cooperation made this publication possible.

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FOREST PRODUCTS MARKETS IN SOUTHWEST GEORGIA

INTRODUCTION

Forest products are an important industry in Georgia. In recent years, the State has consistently ranked either fifth or sixth in the Nation in the manufacture of both lumber and veneer and among the top ten in the production of pulpwood. Georgia is also noted for the variety of its minor wood products ranging from hickory ski blanks and parts for textile machinery to fence posts. Yet, unlike some other states with well-developed forest products industries, the commercial forest land of Georgia is predominantly in small ownerships.

Southwest Georgia is typical in this respect and is an important producing area of the State. Here, 64 percent of the timberland is on 21,000 farms averaging only 94 acres of woods apiece. In 1948, farmers accounted for approximately the following percents of the total volumes of standing timber and rough timber products sold:

Product	Percent
Fence posts	85
Hewn tie timber	45
Hewn ties	55
Naval stores gum	100
Piling timber	80
Piling	10
Pole timber	85
Poles, short	100
Poles, long	5
Pulpwood timber	85
Pulpwood	15
Saw timber	85
Sawlogs	5
Veneer timber	15
Veneer logs	10

According to the Census of Agriculture, about 5 percent of the wooded farms sold forest products in 1944. This indicates that the average farmer or other small timber owner probably makes only one such sale every 20 years, even though some sell at intervals of 5 or 10 years or even annually, as in the case of the turpentine farmer. Since he sells so infrequently, the timber owner has little opportunity to become familiar with the markets available to him and often has difficulty in deciding for what products his timber is suitable. He may not even be aware of the differences in value of the various products.

The purpose of this publication is to point out the products for which there is a market and to show the general specifications under which they are bought, their relative prices, and who buys them in each

locality. All the information presented was obtained from a county-by-county canvass of buyers conducted in January and February 1949.

The directory of buyers is as complete as it could be made with the men and funds available. Pulpwood producers and purchasers of sawmill stumpage were purposely omitted. Pulpwood producing, in many instances, is not the principal occupation of the individual concerned. Instead it is conducted on a part-time basis to supplement some other occupation such as farming or logging. Then, too, many pulpwood producers operate in part as contract cutters and haulers of timber purchased on the responsibility of a paper company or dealer. As for the sawmills, most of them log and saw timber purchased by the boundary for a lump sum and operate within a small localized area where they are ordinarily well known. However, a few mills make a general practice of buying logs, and these are included in the listings. Any omissions other than those just noted are inadvertent and reflect in no way on the companies or individuals left out. By the same token, inclusion in the directory does not constitute a recommendation.

PRICES

"A sawmill operator offered a farmer $25 per thousand board feet for some high-quality pine timber. Before closing the sale, the farmer sought the advice of a farm forester. Examination of the timber disclosed some trees suitable for long piling. As a consequence, 15 piles were sold at $40 per tree without seriously reducing the value of the tract for sawlog operation. These piles averaged about 360 board feet each and would have brought only $9 per tree as saw timber."

This story is a typical illustration of a basic rule for profitable timber marketing: "Find out what you have, what it can be used for, and how much each of the companies or individuals who can use it will pay." By following this rule, the farmer made $465 he would not otherwise have received. Very few landowners have trees of such quality, but many have lost equal or larger sums of money by ignoring the rule.

An advance appraisal and a few calculations will usually indicate the highest use for a particular tract of timber. The range of prices paid for various products in the first quarter of 1949 (see table) can serve as a rough guide to the comparative value of timber for the various products. It should be recognized that prices will vary with economic conditions, and in the second quarter of 1949 there was a marked reduction in the prices offered for timber. Irrespective of the general economic level, the quality and quantity of timber, its accessibility, the supply of and demand for similar timber in the vicinity, and other factors influence the price the buyer will pay.

RANGE OF PRICES PAID FOR STUMPAGE, LOGS, BOLTS, ETC., BY PRODUCT AND SPECIES, FEBRUARY 15, 1949

Product	Basis of payment	Cypress	Yellow pine	Ash	Basswood	Beech and birch	Cotton-wood and elm	Dog-wood	Black-gum
		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Crosstie stumpage	Per tie	.35- .50	.35- .45						.25- .35
Piling stumpage	Per lineal foot		.15- .25						
Pole stumpage	Per pole		.42-25.94						
Pulpwood stumpage	Per standard cord		2.06- 3.50	1.37- 2.15	1.37- 2.15	1.37- 2.15	1.37- 2.15		1.37- 2.15
Package veneer stumpage	Per M bd. ft. Doyle	12.00	9.00-17.00	9.00		9.00-10.00	10.00-12.00		8.00-12.00
Box cleat bolts	Per standard cord (del'd.)		11.00-14.00	11.00-14.00		11.00-14.00			11.00-14.00
Fence posts	Per piece (del'd.)		.10- .35						
Handle and ski logs	Per M bd. ft. Doyle (del'd.)		60.00	55.00					
Hewn cross ties	Per piece (at R. R.)	1.35- 1.50	.60- 1.55						.60- 1.55
Loom-part bolts	Per M bd. ft. Doyle (del'd.)			35.00-60.00					
Piles	Per lineal foot (f.o.b. cars)		.14- .26						
Poles, short	Per lineal foot (del'd.)		.02- .08						
Poles, long	Per piece (f.o.b. cars)		1.25-64.85						
Pulpwood	Per standard cord (f.o.b. cars)		10.75						10.25
Sawlogs	Per M bd. ft. Doyle (del'd.)	30.00-75.00	20.00-60.00	25.00-70.00	30.00-35.00	30.00-55.00	30.00-35.00		22.00-55.00
Shuttle bolts	Per standard cord (del'd.)							40.00	
Spool bolts	Per standard cord (del'd.)								19.00
Tie cuts (8½ feet)	Per piece (del'd.)								.90
Commercial veneer logs	Per M bd. ft. Doyle (del'd.)				40.00-60.00				20.00-60.00
Package veneer logs	Per M bd. ft. Doyle (del'd.)	25.00-45.00	25.00-45.00	40.00		30.00-40.00	22.50-45.00		22.50-45.00

RANGE OF PRICES PAID FOR STUMPAGE, LOGS, BOLTS, ETC., BY PRODUCT AND SPECIES, FEBRUARY 15, 1949 (Continued)

Product	Basis of payment	Sweet-gum	Hickory	Magnolia	Maple	Oak	Persimmon	Sycamore	Yellow-poplar and sweetbay
		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Crosstie stumpage	Per tie					.40			
Piling stumpage	Per lineal foot								
Pole stumpage	Per pole								
Pulpwood stumpage	Per standard cord	1.37- 2.15		1.37- 2.15	1.37- 2.15		1.37- 2.15	1.37- 2.15	1.37- 2.15
Package veneer stumpage	Per M bd. ft. Doyle	8.00-12.00		10.00-12.00	8.00-12.00		12.00	10.00-12.00	8.00-12.00
Box cleat bolts	Per standard cord (del'd.)	11.00-14.00			11.00-14.00				11.00-14.00
Fence posts	Per piece (del'd.)								
Handle and ski logs	Per M bd. ft. Doyle (del'd.)		65.00						
Hewn cross ties	Per piece (at R. R.)	.60- 1.45				.60- 1.55			
Loom-part bolts	Per M bd. ft. Doyle (del'd.)		35.00-60.00						
Piles	Per lineal foot (f.o.b. cars)								
Poles, short	Per lineal foot (del'd.)								
Poles, long	Per piece (f.o.b. cars)								
Pulpwood	Per standard cord (f.o.b. cars)	10.25		10.25	10.25				10.25
Sawlogs	Per M bd. ft. Doyle (del'd.)	22.00-55.00	22.00-70.00	25.00-55.00	25.00-55.00	22.00-55.00		30.00-55.00	25.00-55.00
Shuttle bolts	Per standard cord (del'd.)						30.00		
Spool bolts	Per standard cord (del'd.)								
Tie cuts (8½ feet)	Per piece (del'd.)	.90				.90			
Commercial veneer logs	Per M bd. ft. Doyle (del'd.)	20.00-62.00		20.00-62.00	20.00-60.00			20.00-60.00	20.00-70.00
Package veneer logs	Per M bd. ft. Doyle (del'd.)	22.50-45.00		22.50-45.00	22.50-45.00		25.00	22.50-45.00	22.50-45.00

PRODUCTS AND SPECIFICATIONS

There are no standard and universally recognized specifications for any of the forest products bought and sold in Southwest Georgia. The nearest approaches are the American Standards Association specifications for southern pine poles and the American Railway Engineering Association specifications for cross ties, but even these are frequently modified to suit individual needs or preferences. For this reason, the specifications summarized on the following pages are averages of those in use at the various plants during the First Quarter of 1949. The specifications of a particular buyer may differ markedly and are subject to periodic changes. Because of these changes and uncertainties, it is risky to cut timber without having a particular customer in mind. In fact, an individual should under no circumstances cut any timber product without a firm order and a thorough understanding of his customer's requirements.

SAWLOGS

According to the Census of Manufactures, there were 217 active sawmills in Southwest Georgia in 1947. They produced nearly 211 million board feet of lumber, 96 percent of which was softwoods, mostly pine. In addition, several outside sawmills, including two bandmills at Albany, Georgia, drew a portion of their log supply from the area. The prevailing practice is to buy standing timber to be logged by company or contract crews, and none of the mills depend entirely on open-market purchases of cut logs. Nevertheless, log purchases totaled 35 million board feet in 1948.

Most logs are bought delivered to the mill, though a few of the larger companies do buy high-grade logs f.o.b. railroad cars at specified loading points. The logs are commonly scaled according to the Doyle Rule. However, the Scribner Decimal C, the Doyle-Scribner, the International, and the Two-Thirds are also used, and some operators offer sellers a choice of rules.

Log specifications conform to no standards. They not only differ from mill to mill but from time to time at any one mill depending upon the lumber grades and sizes on order and how urgently logs are needed. At present, about two-thirds of the mills are buying logs at a flat price per thousand board feet regardless of their quality. The minimum acceptable diameter of these woods-run logs is ordinarily 8 inches inside bark at the small end, and the minimum acceptable length is either 10 or 12 feet, plus the customary 4-inch allowance for trim. Maximum lengths usually range from 16 to 22 feet, with a few mills accepting anything up to tree lengths. Defective portions are scaled out, and the resulting deduction must not exceed 20 to 30 percent of the gross scale, or the entire log is culled. Policies vary regarding turpentine faces. Some operators accept them without limit provided they are sound and all nails have been removed, others accept only the fresh portion of the face above

the tins, and some butt off the entire face. Small holes and hollow heart less than 4 inches in diameter are allowed.

When sawlogs are bought on grade, usually only two grades are used. These, again, are not standardized, and their application depends to a great extent on the judgment of the scaler. In general, a Number One log must be at least 12 inches in diameter (although individual specifications range from 8 to 16 inches; it must be straight, free of scars or catfaces, holes, hollow heart, and worm holes; and it must be at least 90 percent surface-clear of knots, burls, and other distortions. Number Two logs are those which cannot qualify as Number Ones but meet the woods-run specification given above.

VENEER TIMBER AND LOGS

As of February 1949, there were seven veneer mills operating in Southwest Georgia. Nine more, located elsewhere, regularly obtain logs from the area. The principal output is rotary-cut veneer for fruit and vegetable baskets, crates, and hampers, but commercial veneers, including high-grade face stock, are also produced. In 1948, these 16 mills consumed 31 million board feet of logs and blocks. Black and tupelo gums were the leading species followed, in order of importance, by sweetgum, yellow-poplar, sweetbay, maple, and magnolia. A few of the package veneer mills were able to use all the softer-textured hardwoods, cypress, pine, and even such species as ash, cherry, elm, and sycámore.

Several of the mills purchase tracts of timber for a lump sum and log them with either their own or contract crews. About the only specifications for a tract of veneer stumpage are that there be sufficient trees of operable size, quality, and desired species to make an attractive logging chance. Usually trees with a stump diameter of less than 14 inches are not cut for veneer.

All the buyers purchase veneer logs and/or blocks delivered to the mill and, in some cases, f.o.b. cars at specified loading points. The Doyle Rule is used to scale this material. Nearly every purchaser buys on a system of two or three grades, but the specifications vary widely, because of the many types of products being manufactured. Generally, Number One logs and blocks must be straight, free of all surface defects, and have a minimum diameter of 14 inches at the small end. Number Two's must be fairly straight, 75 percent surface clear (usually with not more than three small defects), and with a minimum diameter of 12 inches at the small end. Grade Three logs and blocks must be at least 50 percent surface clear, and may have many defects. The minimum diameter in Grade Three is usually 10 inches. Grade Three material has very poor properties for veneering purposes. In the package plants it is often sawed into cleat stock or basket bottoms, while in the commercial veneer mills it is cut into core stock (center layer of plywood panels). Hollow heart not exceeding 3 inches in diameter is permitted and does not influence the grading or the scale of an otherwise sound log or block. Blocks with

hollows larger than this cannot be held firmly by the lathe chuck. The acceptable lengths vary according to the sizes of the veneer sheets to be cut. Cutting orders may change several times in the course of a year, and this results in a corresponding change in the log buyer's length specifications. Most veneer plants will, upon request, supply a set of their current specifications to persons interested in supplying them with logs or blocks.

PULPWOOD

There are no pulpmills in Southwest Georgia. Consequently, less pulpwood is produced than in some neighboring areas. However, nine plants draw from there and, in 1948, their purchases aggregated 286 thousand cords. Over 95 percent of the total was pine. The remainder was largely black and sweet gums with small volumes of magnolia, maple, sweetbay, sycamore, and yellow-poplar. One company accepts a limited amount of water oaks.

Pulpwood is ordinarily cut in 63-inch lengths. A pile of this wood eight feet long and four feet high contains 168 cubic feet and is called a "unit." Several mills quote their prices on this basis; others pay by the standard cord of 128 cubic feet.

Individual specifications vary somewhat by companies, but the following set is typical:

1. Wood should be cut from sound live trees.
2. Sticks must be at least 4 inches in diameter at the small end, reasonably straight, and with the ends sawed square (axe-cut wood is not acceptable). Knots and branches should be trimmed flush with surface of stick.
3. Sticks up to 18 inches in diameter may be left round; those larger than 18 inches should be quartered.
4. Wood must be free of any metal such as nails, wire, or turpentine tins.
5. Turpentine faces are acceptable if uncharred and free of metal.
6. Forked and crooked sticks will not be accepted, nor will hollow or excessively doty sticks.

Pulpwood procurement is a highly-organized activity. Each mill divides its drawing territory into sub-areas small enough to be supervised by one man. Each sub-area is then assigned a production quota, and a "dealer" or area manager assumes responsibility for filling it. To do this, the dealer builds up an organization of pulpwood "producers," the number of producers depending on the size of his quota. Ordinarily, dealers conduct no cutting operations of their own, but most of them are active in locating and negotiating for tracts of suitable timber. These are the men whose names appear in the directory.

Trees 6 to 12 inches in diameter are preferred for pulpwood. However, pulpwood dealers and producers are usually ready to bid for saw timber and even poles where these classes of material occur in stands which also contain pulpwood sizes.

POLES AND PILING

Treating plants at Camilla and Valdosta and buyer-producers representing several outside plants provide a market for pine poles. Their 1948 purchases totaled approximately 240,000 standard poles and an additional 4,000 short poles for farm use. The same buyers also purchased 483,000 lineal feet of piling, mostly in the eastern counties.

The Appendix summarizes the American Standards Association specifications for telephone and power poles. The principal requirements are that they be sound, straight, and without large or clustered knots. There are no similar standards for piling, which is usually bought to fill specific orders and is cut to meet the customers' specifications.

Most poles and piles are sold by the landowners as stumpage. Frequently, they are cut from tracts of timber purchased for a lump sum or by the thousand board feet, the buyer cutting sawlogs, cross ties, or other products in addition to the poles or piles. In other cases, selected individual trees are sold. Sales of pole timber under these conditions are customarily by the piece, and the stumpage price is a percentage (usually 33 to 40) of the f.o.b. price of the cut and peeled poles. Piling stumpage may be priced either by the piece or by the lineal foot depending upon the variety of sizes to be cut.

HEWN CROSS TIES

Although farmers own practically 65 percent of the forest land, very few cut their own timber, being content to sell stumpage. One notable exception is the production of hewn cross ties. About 55 percent of the estimated 600,000 ties hewn in 1948 were produced by farmers, and among the professional tie producers are many who operate almost entirely on their own land. This is in contrast with other timber products where 80 to 95 percent of the volume is accounted for by professionals operating leased lands.

At one time, tie production was predominantly cypress, but now, with pressure-treated ties in general use, sap pine is preferred. Market outlets for hewn ties include the treating plants, all of the nine railroads serving the area, and a number of brokers representing both local and northern railroads. The present demand is primarily for main-line ties, Size 5 (7 x 9 inches) and Size 4 (7 x 8 inches), but Size 3 (6 x 8 inches) is also accepted by all buyers. Size 1 and 2 ties (6 x 6 and 6 x 7 inches) are being purchased by only one major

railroad and in very small quantity. Current lengths are 8, 8½, and 9 feet, and most buyers confine their buying to the latter two.

Specifications for sap-pine ties differ primarily from those for cypress by requiring that the heart be boxed, thus automatically limiting the size of trees suitable for tie cuts. Consequently, stumpage buyers seek stands of trees ranging from 10 to 16 inches in diameter and preferably straight, with slight taper, and without large knots. One sound and worm-free turpentine face per tree is permissible. Tie stumpage is usually paid for at a flat price per tie rather than by the tract.

NAVAL STORES GUM

Since 1934 there has been a steady trend away from the fire-still method of gum processing to the central steam-still method. There were approximately 130 active fire stills in Southwest Georgia in 1934. At present, there are less than 15 in operation and none buying gum. Instead, there are five modern steam distillation plants in the area and these, coupled with six similar plants in the adjoining eastern portion of the state, now process the bulk of the gum. These eleven plants purchased a total of 577,000 barrels in 1948, drawing from Florida and eastern Georgia as well as from Southwest Georgia.

Crude gum is generally purchased directly from the producer, who delivers it to the plant. Each producer's gum is weighed and graded at the time of delivery. The industry knows from experience how many gallons of turpentine and the number of pounds and the grade of rosin which one standard barrel (435 pounds net) of a certain grade of crude gum will produce. Using prices for turpentine and rosin which are based on daily quotations from the Savannah Naval Stores Market, the gum buyer computes the price per standard barrel which he will pay the producer. This price may vary from day to day because of fluctuations in the Savannah Market and, since all plants base their prices on this market, their prices for any one day are very similar.

Since central steam stills came into use, it has become advantageous for the owners of small tracts of longleaf or slash pine to enter the gum producing field as a part-time occupation.

OTHER PRODUCTS

In addition to the foregoing products, each of which is purchased in some quantity in Southwest Georgia, there are several others which are bought only occasionally or in limited amounts, or for which there is a limited market.

Box cleat bolts.--In most cases, cleats (strips to which veneer sheets are fastened in the fabrication of boxes and crates) and basket bottoms are resawn from low-grade lumber purchased for this purpose;

sometimes, too, the cleats are sawn from logs or blocks that have been rejected for veneer. However, one package veneer mill does buy cleat bolts, which their loggers produce from the upper stems of the trees being cut for veneer blocks. The bolts are purchased by the standard cord and are bought in varying lengths, depending on the size of the product being manufactured.

Fence posts.--There are several privately-owned open-vat treating plants in Southwest Georgia. These plants purchase round pine posts in two standard lengths, 6½ and 8 feet. The 6½-foot post may have a diameter of 2¼ to 6 inches with not more than 2 inches sweep and is commonly called a "running" post. The 8-foot post, 5 to 8 inches in diameter, may have 2½ inches sweep and is used as a corner post. All posts must be free of fire char, hollow heart, and rot. Knots are not a defect if they are trimmed flush and do not occur in groups. The posts are purchased either rough or peeled. The basis of payment is the piece, according to length, when delivered to the treating plant. During 1948, approximately 320,000 of these round posts and 7,000 cull cross ties (for use as corner posts) were purchased.

Handle and ski logs.--Three handle plants are now operating in Southwest Georgia. One uses pine bolts 5½ feet in length (plus a 2-inch trimming allowance) and not less than 9 inches in diameter at the small end to manufacture cotton hoe handles. These bolts must be straight and free of rot and knots. Another plant uses hickory logs and bolts in lengths varying from 3 to 16 feet, with a minimum sapwood requirement of 50 percent and a minimum diameter of 10 inches, to make a variety of striking-tool handles. The third plant purchases ash and hickory logs in 6-, 8-, 16-, and 24-foot lengths and to a minimum diameter of 8 inches. The ash, bought on only one grade, and the Number Two Grade hickory are manufactured into striking-tool handles while the Number One hickory logs are cut into ski blanks, largely for export to Europe. The ash and Number Two hickory must be 75 percent surface-clear, but the specifications permit slight crook, 2 knots per 6 feet of length, and occasional mineral stains and bird pecks. The Number One hickory must be 100 percent surface-clear and straight-grained. Both ash and hickory are limited to 17 rings per inch. Hollow heart up to 25 percent of the diameter at the small end of the log is not considered a defect.

Shuttle bolts and loom-part logs.--Only one plant buying shuttle bolts is located in the area. It purchases dogwood and persimmon bolts in various lengths from 18 to 54 inches. Each bolt must include a trimming allowance of 2 inches. Minimum diameter at the small end of the bolt is 4½ inches. Bolts must be reasonably straight and show a clear spacing of 18 inches or more between defects or between a defect and the end of the bolt. Dogwood is the preferred species. Sticks with a red heart or with hollow or doty centers must have at least 2½ inches of white wood. Shuttle bolts are purchased by the standard cord either delivered to the plant or f.o.b. cars.

The same plant also purchases ash and hickory logs in 6-foot and longer lengths from which to manufacture loom parts. The minimum diameter is 10 inches, the logs must be straight, and a high proportion of sapwood is preferred. Scaling is according to the Doyle Rule and the logs are purchased delivered.

Spool bolts.--One plant, making spools for cotton thread and located elsewhere in the state, buys black and tupelo gum bolts and logs within the area. The bolts must be not less than 49 inches nor more than 50 inches in length, and logs must be cut to exact multiples of 49 inches. The minimum acceptable diameter of log or bolt is 8 inches. Crotched bolts are not taken, and no more than 3 closely-trimmed knots per 49 inch bolt are allowed (with no knot to exceed 3 inches in diameter). Both logs and bolts are purchased by the standard cord delivered to the plant. Rail shipments must be by rack car with the seller paying the freight charges.

Naval stores stumps.--These are the stumps of old-growth longleaf and slash pines which are commonly referred to as "fat pine," "lightered pine," or "lightwood." They are purchased by a plant in Southeast Georgia which extracts turpentine, rosin, and various pine oils from them.

Stump-land is appraised in terms of "standard" 500-pound stumps. In actual practice, of course, three or four average-sized stumps are required to make this weight. Although it is difficult to generalize, any easily accessible area at least 25 acres in extent with a minimum of one standard stump per acre is potentially merchantable either now or at some future time. To be accessible, the ground must be firm enough for heavy trucks, and the standing timber, if any, sufficiently open to permit bulldozers to operate. Small tracts are usually purchased for a lump sum, while the stumps on the larger tracts are paid for on the basis of the tonnage removed.

INDEPENDENT LOGGERS

In addition to the buyers of specific products, there are over 100 companies and individuals who are less easily classified. They are the independent loggers who buy and log standing timber, selling the cut products. In size, their operations range from the man with one truck and a team of mules to firms with eight or ten trucks, tractors, and other heavy logging equipment.

Loggers are the principal source of veneer logs and blocks, and also supply a considerable volume of sawlogs to the larger sawmills. Some sell only to a single plant and may contract to furnish a certain volume of logs per week or per month; others operate entirely in the open market and maintain contacts with a number of plants and buyers. The latter offer an excellent potential market for stumpage, since they are able to utilize a variety of species and sizes in mixed stands.

In most cases, the independent loggers are listed in the directory only as buyers in their home counties. Actually, many of them operate in adjacent counties as well.

MARKETING ASSISTANCE AVAILABLE

The District Foresters of the Georgia Department of Forestry are prepared to assist the landowners of Southwest Georgia in appraising, marking, and marketing their timber. Their territories are as follows:

Olin Witherington, Box 169, Americus

Ben Hill, Crisp, Dooly, Turner, and Wilcox Counties.

M. E. Nixon, Waycross

Berrien, Cook, Irwin, Lanier, and Lowndes Counties.

Hugh P. Allen, Farm Bureau Building, Camilla

Baker, Brooks, Colquitt, Decatur, Early, Grady, Miller, Mitchell, Seminole, Thomas, Tift, and Worth Counties.

The landowners can also call upon consulting foresters. The consultants listed below have been approved by the Society of American Foresters and have indicated they are available for work in this territory. In addition, there are undoubtedly other local private consultants who could render assistance.

E. P. Ahern, Allen, Alabama
Carolina Forestry Co., Inc., Box 341, Clinton, N. C.
Keith Cranston, 4th and Huddleston, Leland, Miss.
William E. Dunham, Southern Foresters, Savannah, Ga.
Forest Managers, Inc., 1406 First St., Neptune Beach, Fla.
E. C. Haff, 836 Edisto Ave., N. W., Orangeburg, S. C.
William H. Haley, Box 343, Hazlehurst, Ga.
Giles G. Hall, Box 1, 1212 Laurens St., Aiken, S. C.
Robert K. Knoth & Co., 39 Broad St., Charleston, S. C.
Langdale Timber Co., Box 2, Valdosta, Ga.
T. A. Liefeld, Thomasville, Ga.
William J. Mills, 530 Volunteer Bldg., Chattanooga 2, Tenn.
John G. Rawls Co., 408 Rogers Avenue, Macon, Ga.
A. P. Russell, 11 Maplewood Drive, Sumter, S. C.
Harold M. Sebring, McRae, Ga.
Alexander L. Setser, Box 23, Norris, Tenn.
S. I. Somberg and H. L. Lesselbaum, Lane, S. C.
J. Atwood Whitman, Glendon, N. C.

SPECIES CODES USED IN BUYER DIRECTORIES

01. Cedar
02. Cypress
04. Longleaf pine
05. Slash pine
08. All southern pines
10. Ash
11. Basswood
12. Beech
13. Birch
14. Cherry
15. Cottonwood
17. Dogwood
18. Elm
19. Black and tupelo gums
20. Sweetgum
21. Hickory
22. Maple
23. Oak
28. Persimmon
29. Sycamore
30. Sweetbay
32. Willow
33. Yellow-poplar
34. All "soft" pulping hardwoods: black and sweet gums, maple, sweetbay, yellow-poplar, magnolia, etc.
35. Southern magnolia

FOREST PRODUCTS BUYERS BY PRODUCT

Names marked with an asterisk (*) accept rail shipments from certain points outside the territories shown on the list of buyers by counties.

NAVAL STORES STUMPS

Name and P. O. Address	Species
Hercules Powder Co., Brunswick	04 05

PILING TIMBER

Name and P. O. Address	Species
Langdale Company, The, Valdosta	08

POLE TIMBER

Name and P. O. Address	Species
Green, W. S., Camilla	08
Langdale Company, The, Valdosta	08
Lawton, D. W. 200 E. Crawford, Valdosta	08
Lewis Wood Preserving Company Camilla	08

POLE TIMBER (Continued)

Name and P. O. Address	Species
Rogers, H. Ross and Son, Cordele	08
Rowe, J. C., Tifton	08

PULPWOOD TIMBER

Name and P. O. Address	Species
Bateman, J. R., Homerville	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	08 23 34
Castle, J. B., Stockton	08
Coastal Forest Farms Box 536, Brunswick	08 34
Cook and Co., Hazlehurst	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	08 23 34
Gibson Paperwood Co., Inc. Box 711, Tallahassee, Florida	08 34
Graham, J. W., Rochelle	08
Harris, A. S., Box 396, Valdosta	08
Hasty, Gordon L. Box 789, Thomasville	08
Kimbrough, John, Box 474, Valdosta	08
Langdale Company, The, Valdosta	08
Long Brothers Lumber Company Bainbridge	08
McLeod Pulpwood Company, Iron City	08
Peck and O'Hara, Inc. Box 602, Valdosta	08
Rowe, Homer, Alapaha	08
Wells, R. E., Box 241, Bainbridge	08

HEWN TIE TIMBER

Name and P. O. Address	Species
Cribbs, C. R. and L. M., Ray City	02 08 19
Exum, R. T., Ray City	08
Flowers, J., Route 2, Ray City	02 08
Griffin, Joe L., Norman Park	08
Johnson, John Henry Route 4, Nashville	08
McKay, L. A., Pitts	08
McLane-Frost Tie Company Valdosta	02 08 23
Rowe, Homer, Alapaha	08
Sasser, R. H. 530 Broad Avenue, Albany	08 19 20 23
Shelley, W. P. Box 882, Tallahassee, Florida	08 19 23
Vining, G. C., Alapaha	08
Willis, A. B., Nashville	08 19

COMMERCIAL VENEER TIMBER

Name and P. O. Address	Species
Southern Plywoods Greenville, Florida	19 20 22 30 33 35

PACKAGE VENEER TIMBER

Name and P. O. Address	Species
Dayton Veneer & Lumber Mills Americus (R. R. Station-Arles)	08 15 18 19 20 22 29 30 33 35
Edison Veneer Company, Edison	15 18 19 20 22 29 30 33 35
Elberta Crate and Box Company Bainbridge	08 18 19 20 22 30 33 35
Simmons Brothers, Inc. Arlington	02 08 14 15 18 19 20 22 28 29 30 33 35

DIMENSION BOLTS

Name and P. O. Address	Species
Medgentra Ltd., Bainbridge* 1/	10 21
Stowell-MacGregor Corporation 2/ c/o Clark Thread Co., Albany	19
Talley Veneer Company, Adel 3/	08 10 12 14 19 20 22 30 33

FENCE POSTS

Name and P. O. Address	Species
B. and T. Wood Preserving Co. Alapaha	08
Coastal Plain Timber and Treating Co. Tifton	08
Langdale Company, The, Valdosta	08
Moultrie Wood Preserving Co. Box 502, Moultrie	08
Youmans, J. W., Donalsonville	08

HANDLE BOLTS

Name and P. O. Address	Species
Hartley Handle Company, Blakely	21
Jackson, E. W. Company Box 552, Valdosta	10 21
Lewis, E. F., Cordele	08

HEWN TIES

Name and P. O. Address	Species
Albany and Northern Railway Co., Albany	02
Brewer, J. E., Jr. 412 S. Lee, Fitzgerald	08 19

1/ Loom-part bolts

2/ Thread spool bolts

3/ Box cleat bolts

HEWN TIES (Continued)

Name and P. O. Address	Species
Chitty, M. C., Supervisor Central of Georgia Railway Co. Albany	02 08
Cooney, C. T. and Sons, Inc. Box 382, Waycross	08 19
Griffin, Joe L., Norman Park	08
Griffin, M. L., General Manager The Lakeland Railway, Lakeland	02
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 South Main Street Fitzgerald	08
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agt. Valdosta	02 08 23
Jessup, W. L., Sr., Eastman	08 19 20 23
Kansinger, J. H., President and General Manager South Georgia Ry. Co. Perry, Florida	02 08
Kent, Allen J., Buyer Atlantic Creosoting Co., Adel	08 19
Love, John, Route 4, Fitzgerald	08
Mathis and Vining 1604 Slater Street, Valdosta	08
May, G. W., Supervisor Georgia & Florida Railroad Nashville	02
McLane-Frost Tie Company Valdosta	02 08 23
Rowe, Homer, Alapaha	08
Sasser, R. H. 530 Broad Avenue, Albany	08
Shelley, W. P. Box 882, Tallahassee, Florida	08 19 23
Telfair Tie Company, McRae	08 19 20 23
Tharp, J. W., River Junction	08 19 20 23
Tomlinson, B. J., Lakeland	02 08 19 23

HEWN TIES (Continued)

Name and P. O. Address	Species
Willis, A. B., Nashville	08 19

NAVAL STORES GUM

Name and P. O. Address	Species
Columbia Naval Stores Co., Fitzgerald	04 05
Columbia Naval Stores Co., Hazlehurst	04 05
Columbia Naval Stores Co., Tifton	04 05
Filtered Rosin Products, Inc. Douglas	04 05
Glidden Company, The, Valdosta	04 05
Langdale Company, The, Valdosta	04 05
McRae Processing-Supply Co., McRae	04 05
Pearson Gum Processing Co., Pearson	04 05
Peninsular-Lurton Company, Helena	04 05
Shelton Naval Stores Processing Co. Valdosta	04 05
Star Naval Stores Co., Homerville	04 05

PILING

Name and P. O. Address	Species
Kent, Allen J., Buyer Atlantic Creosoting Co., Adel	08

POLES

Name and P. O. Address	Species
Coastal Plain Timber and Treating Company, Tifton	08
Kent, Allen J., Buyer Atlantic Creosoting Co., Adel	08
Langdale Company, The, Valdosta	08
Lewis Wood Preserving Company Camilla	08

POLES (Continued)

Name and P. O. Address	Species
Moultrie Wood Preserving Co. Box 502, Moultrie	08
Rogers, H. Ross and Son, Cordele	08
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	08

PULPWOOD

Name and P. O. Address	Species
Bateman and Company, Camilla	08
Bateman, J. R., Homerville	08
Bedsole, J. C. 112 S. Jefferson St., Albany	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	08 23 34
Coastal Forest Farms Box 536, Brunswick	08 34
Cook and Co., Hazlehurst	08
Dancer, Mrs. W. R., Colquitt	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	08 23 34
Gibson Paperwood Co., Inc. Box 711, Tallahassee, Florida	08 34
Land, Roy, Box 123, Albany	08
Long Brothers Lumber Company Bainbridge	08
McLeod Pulpwood Company Iron City	08
Melton, T. D., Albany	08
Peake, George W., Eufaula, Alabama	08
Rogers, H. Ross and Son, Cordele	08 34
Rowe, Homer, Alapaha	08
Southland Timber Corp. Box 1063, Albany	08 34

PULPWOOD (Continued)

Name and P. O. Address	Species
Sutton, Dr. J. M., Sylvester	08
Tindel, H., Graceville, Florida	08
Tindel Pulpwood Company Box 761, Albany	08
Toney, P. E., Americus	08
Wells, R. E., Box 241, Bainbridge	08 34

SAWLOGS

Name and P. O. Address	Species
Augusta Hardwood Co., Augusta	02 08 10 11 12 13 14 18 19 20 22 23 29 30 33
Bray, J. N. Co., Valdosta	08
Climax Lumber Company, Inc., Climax	08 33
Columbia Lumber Company, Lake Park	08
Connor Brothers Lumber Company Tifton	02 08 33
Cordele Sash, Door, & Lbr. Co. Cordele	02 08
Damascus Lumber Company, Damascus	02 08
Day, J. Y., Ambrose	08
DeLoach, R. S., Box 339, Valdosta	08 30 33
Elberta Crate and Box Company Bainbridge	02 08 10 18 19 20 21 22 23 30 33 35
Fluker, T. R., Quitman	08
Georgia Crate and Basket Co. Thomasville	08
Georgia Lumber and Supply Co. Valdosta	08 33
Gragg and Willis Lumber Co. Bainbridge	08 10 30 33 35
Green, Bert, Quitman	08

SAWLOGS (Continued)

Name and P. O. Address	Species
Griffin Brothers Lumber Company Coolidge	08
Hancock Lumber Company, Quitman	02 08 33
Hawkinsville Lumber Company Hawkinsville	02 08
Hightower Lumber Company, Blakely	01 02 08 10 19 20 26 33
Houston Mfg. Co., Abbeville	08
Jones Lumber Co., Donalsonville	02 08 33
Keadle Brothers Company, Camilla	08 33
Kirby-Evans Material Co. Thomasville	08
Layson Lumber Company Box 735, Albany	08
Ledbetter Lbr. Co., Willacoochee	02 08 19 20 30 33
Little Suwannee Lbr. Co., Homerville	02 08
Mitchell Brothers Lumber Co., Metcalf	08
Reynolds Brothers Lumber Co., Albany*	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Rogers, H. Ross and Son, Cordele	08 10 11 13 15 16 18 19 20 21 22 29 30 32 33
St. Regis Paper Co., Fargo	08
Sanders Lumber Company, Arlington	02 08
Shoemaker Lumber Company, Whigham	08
Tyson, W. M. Lumber Co., Inc. Cairo	08 30 33 35
Tyson Lumber Company, Camilla	08
Watkins Lumber Company, Albany	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Youmans, Gus, Donalsonville	02 08 11 15 18 19 20 22 23 29 30 33 35

SHUTTLE BOLTS

Name and P. O. Address	Species
Medgentra Ltd., Bainbridge*	17 28

TIE CUTS

Name and P. O. Address	Species
Green, Bert, Quitman	19 20 23

COMMERCIAL VENEER BLOCKS

Name and P. O. Address	Species
Alexander-Harris Company, Pelham	30 33 35
Alexander Wood Products, Inc.* Athens	19 20 30 33 35
Florida Veneer and Lbr. Co. Monticello, Florida	02 08 19 20 22 30 33 35
General Plywood Corp., Cuthbert*	19 20 30 33
Minix Furniture Mfg. Company Moultrie	30 33
Prinsho Veneer Company, Inc. Valdosta	19 20 30 33
Rogers, H. Ross and Son, Cordele	19 20 22 30 33 35
Valdosta Plywoods, Inc., Valdosta	19 20 22 29 30 33

PACKAGE VENEER BLOCKS

Name and P. O. Address	Species
C. and H. Veneer Company Hawkinsville	08 19 20 22 29 30 33 35
Dayton Veneer & Lumber Mills Americus (R. R. Station-Arles)	08 15 18 19 20 22 29 30 33 35
Edison Veneer Company, Edison	15 18 19 20 22 29 30 33 35

PACKAGE VENEER BLOCKS (Continued)

Name and P. O. Address	Species
Elberta Crate and Box Company Bainbridge	08 18 19 20 22 30 33 35
Georgia Crate and Basket Co. Thomasville	08 12 19 20 22 30 33 35
J. and J. Veneer Company Cuthbert	13 15 18 19 20 22 29 30 33
Maxwell Bros., Inc. Jasper, Florida	08 19 20 22 30 33 35
Simmons Brothers, Inc.* Arlington	02 08 14 15 18 19 20 22 28 29 30 33 35
Talley Veneer Company, Adel	08 10 12 14 19 20 22 30 33

INDEPENDENT LOGGERS

Name	P. O. Address
Bailey, D. L.	Bainbridge
Baker, C. C.	Coolidge
Bennett, V. R.	Bainbridge
Benson, A. B.	Bainbridge
Boone, A. C.	Adel
Brooks, Loris B.	Camilla
Bryant, Arthur	Cairo
Burney, R. B.	Bainbridge
Butler, M. C.	Thomasville
Butler, R. V.	Thomasville
Carter, L. J.	Adel
Carter, Sam G.	Adel
Christian, T. M.	Quitman
Clemons, E. L.	Bainbridge
Cole, Leroy	Lakeland

INDEPENDENT LOGGERS (Continued)

Name	P. O. Address
Comerford, E. E.	Bainbridge
Craft, G. J.	Bainbridge
Crawford, M. T.	Route 3, Valdosta
Crew, Jesse	Cairo
Crew, L. W.	Route 3, Cairo
Cruel, Eugene	Bluffton
Dicas, B. H.	Alapaha
Dove, J. S.	Bainbridge
Estes, L. P.	Bainbridge
Forehand, Calvin	Bainbridge
Fulford, C. G.	Cairo
Gainous, H. E.	Pelham
Gannie, Horace	Cairo
George, C. J.	Valdosta
Ghee, Peter	R. F. D., Quitman
Gillespie, W. E.	Quitman
Guest, B. F.	Ray City
Hampton, Jeff	Quitman
Harrell, J. D.	Route 1, Cairo
Harris, A. S.	Box 396, Valdosta
Harris, J. H.	Box 611, Thomasville
Hart, Hubert	Pavo
Hasty, J. B.	Blakely
Henderson, D. F.	Havana, Florida
Herndon, Willie	Route 2, Lake Park
Herring, George	Thomasville
Hickman and Sons	Bainbridge
Hiers, C. M.	Bainbridge
Hougen, L. H.	Route 1, Valdosta
Ireland, J. L.	Box 33, Whigham
Jackson, Leroy	Quitman

INDEPENDENT LOGGERS (Continued)

Name	P. O. Address
Jacobs, Robert	Arlington
Jester, Gordon	Bainbridge
Johnson, E. M.	Donalsonville
Johnson, Sam	Bemis Road, Valdosta
Johnson, Son	Quitman
Leary, Herbert	Route 1, Tallahassee, Florida
Leverett, W. J.	Bainbridge
Lunsford, W. O. and Sons	Leary
Maxwell, Fred	Pelham
Mayne, Henry O.	207 Holiday Street, Valdosta
McDowell, W. E.	Damascus
McElvey, Carl	Bainbridge
Miller, Perry	Cairo
Miller, W. P.	Route 1, Cairo
Moore, Carl	Blakely
Murkerson, Earl	Thomasville
Musgrove, Frank	Thomasville
Peavey, M. D., Jr.	Havana, Florida
Phillips, J. F.	Bainbridge
Pritchart, A. J.	Pelham
Rogers, H. Ross and Son	Cordele
Roland, Ernest	Route 1, Tallahassee, Florida
Ross, Claude	Arlington
Rykard, G. E.	W. Magnolia Street, Valdosta
Sellers, A. C.	Cairo
Selph, Jack and George	711 River Street, Valdosta
Shealey, D. W.	Bainbridge
Shedrick, Charlie	Leary
Shelley, W. P.	Box 882, Tallahassee, Florida
Shiver, Warren	Tifton
Shoemaker, J. S.	Whigham

INDEPENDENT LOGGERS (Continued)

Name	P. O. Address
Smith, W. G.	Thomasville
Southall, J. T.	104 Briggs Street, Valdosta
Stephens, Abner	Bainbridge
Stevens, Will	Quitman
Strayhorn, J. T.	Route 3, Valdosta
Studstill, J. F.	Lakeland
Templeton, J. O.	Sparks
Thompson, Harry	Bainbridge
Thomas, W. M.	405 E. Central Avenue, Valdosta
Thomas, Z. B.	Box 136, Valdosta
Tillery, L. H.	Omega
Tillman, J. J.	Adel
Tripp, J. W.	Camilla
Tyler, A. T.	Hahira
Vickery, S. M.	Pendleton Avenue, Valdosta
Wade, J. L.	Lenox
Walden, Gwin W.	Route 3, Cairo
Watson, A. V.	Bainbridge
Welch, L. A.	Poulan
White, J. C.	Clyattville
Whitfield, W. A.	Thomasville
Whittaker, C. G.	Bainbridge
Youmans, Gus	Donalsonville
Zorn Brothers	Bainbridge

FOREST PRODUCTS BUYERS BY THE COUNTIES IN WHICH THEY BUY

BAKER COUNTY

Name and P. O. Address	Product Bought	Species
Albany Northern Railway Co. Albany	Hewn ties	02
Bateman and Company, Camilla	Pulpwood	08
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Damascus Lumber Co., Damascus	Sawlogs	02 08
Edison Veneer Company, Edison	Package veneer timber	15 18 19 20 22 29 30 33 35
	Package veneer blocks	15 18 19 20 22 29 30 33 35
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, W. S., Camilla	Pole timber	08
Hartley Handle Company Blakely	Handle bolts	21
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hightower Lumber Company Blakely	Sawlogs	01 02 08 10 19 20 23 33
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Keadle Brothers Company Camilla	Sawlogs	08 33
Land, Roy, Box 123, Albany	Pulpwood	08
Layson Lumber Company Box 735, Albany	Sawlogs	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Lunsford, W. O. and Sons Leary	Logger	
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
Peake, George W. Eufaula, Alabama	Pulpwood	08

BAKER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Reynolds Brothers Lumber Co. Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Sanders Lumber Company Arlington	Sawlogs	02 08
Sasser, R. H. 530 Broad Avenue, Albany	Hewn tie timber Hewn ties	08 19 20 23 08
Simmons Brothers, Inc. Arlington	Package veneer timber	02 08 14 15 18 19 20 22 28 29 30 33 35
	Package veneer blocks	02 08 14 15 18 19 20 22 28 29 30 33 35
Shedrick, Charlie, Leary	Logger	
Southland Timber Corp. Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Toney, P. E., Americus	Pulpwood	08
Tyson Lumber Company, Camilla	Sawlogs	08
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34

BEN HILL COUNTY

Name and P. O. Address	Product Bought	Species
Brewer, J. E., Jr. 412 S. Lee, Fitzgerald	Hewn ties	08 19
Columbia Naval Stores Co. Fitzgerald	Naval stores gum	04 05
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05

BEN HILL COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Day, J. Y., Ambrose	Sawlogs	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	Pulpwood timber Pulpwood	08 23 34 08 23 34
Filtered Rosin Products, Inc. Douglas	Naval stores gum	04 05
Glidden Company, The, Valdosta	Naval stores gum	04 05
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 South Main Street Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Land, Roy, Box 123, Albany	Pulpwood	08
Love, John, Route 4, Fitzgerald	Hewn ties	08
Melton, T. D., Albany	Pulpwood	08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Peninsular-Lurton Company Helena	Naval stores gum	04 05
Rogers, H. Ross and Son Cordele	Pole timber Poles Pulpwood Sawlogs Commercial veneer blocks	08 08 08 34 08 10 11 13 15 16 18 19 20 21 22 29 30 32 33 19 20 22 30 33 35
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08

BEN HILL COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

BERRIEN COUNTY

Name and P. O. Address	Product Bought	Species
Augusta Hardwood Co., Augusta	Sawlogs	02 08 10 11 12 13 14 18 19 20 22 23 29 30 33
B. and T. Wood Preserving Co. Alapaha	Fence posts	08
Bateman, J. R., Homerville	Pulpwood timber	08
	Pulpwood	08
Bray, J. N. Co., Valdosta	Sawlogs	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber	08 23 34
	Pulpwood	08 23 34
Castle, J. B., Stockton	Pulpwood timber	08
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber	08 34
	Pulpwood	08 34
Coastal Plain Timber and Treating Company, Tifton	Fence posts	08
	Poles	08
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Connor Brothers Lumber Company Tifton	Sawlogs	02 08 33
Cooney, C. T. and Sons, Inc. Box 382, Waycross	Hewn ties	08 19
Cribbs, C. R. and L. M. Ray City	Hewn tie timber	02 08 19

BERRIEN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
DeLoach, R. S. Box 339, Valdosta	Sawlogs	08 30 33
Dieas, B. H., Alapaha	Logger	
Exum, R. T., Ray City	Hewn tie timber	08
Flowers, J., Route 2, Ray City	Hewn tie timber	02 08
Glidden Company, The, Valdosta	Naval stores gum	04 05
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, John Henry Route 4, Nashville	Hewn tie timber	08
Kent, Allen J., Buyer Atlantic Creosoting Co. Adel	Hewn ties Piles Poles	08 19 08 08
Langdale Company, The, Valdosta	Piling timber Pole timber Pulpwood timber Fence posts Naval stores gum Poles	08 08 08 08 04 05 08
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Ledbetter Lbr. Co., Willacoochee	Sawlogs	02 08 19 20 30 33
Mathis and Vining 1604 Slater Street, Valdosta	Hewn ties	08
Maxwell Bros., Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
May, G. W., Supervisor Georgia & Florida Railroad Nashville	Hewn ties	02
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05

BERRIEN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Rowe, Homer, Alapaha	Hewn tie timber	08
	Pulpwood timber	08
	Hewn ties	08
	Pulpwood	08
Rowe, J. C., Tifton	Pole timber	08
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Star Naval Stores Co. Homerville	Naval stores gum	04 05
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Tomlinson, B. J., Lakeland	Hewn ties	02 08 19 23
Valdosta Plywoods, Inc. Valdosta	Commercial veneer blocks	19 20 22 29 30 33
Vining, G. C., Alapaha	Hewn tie timber	08
Willis, A. B., Nashville	Hewn tie timber	08 19
	Hewn ties	08 19

BROOKS COUNTY

Name and P. O. Address	Product Bought	Species
Augusta Hardwood Co., Augusta	Sawlogs	02 08 10 11 12 13 14 18 19 20 22 23 29 30 33
Bray, J. N. Company, Valdosta	Sawlogs	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber	08 23 34
	Pulpwood	08 23 34
Castle, J. B., Stockton	Pulpwood timber	08
Christian, T. M., Quitman	Logger	
Columbia Naval Stores Company Tifton	Naval stores gum	04 05

BROOKS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
DeLoach, R. S. Box 339, Valdosta	Sawlogs	08 30 33
Florida Veneer and Lbr Co. Monticello, Florida	Commercial veneer blocks	02 08 19 20 22 30 33 35
Fluker, T. R., Quitman	Sawlogs	08
Georgia Crate and Basket Co. Thomasville	Sawlogs Package veneer blocks	08 08 12 19 20 22 30 33 35
Georgia Lumber and Supply Co. Valdosta	Sawlogs	08 33
Ghee, Peter, R. F. D., Quitman	Logger	
Gibson Paperwood Co., Inc. Box 711, Tallahassee, Florida	Pulpwood timber Pulpwood	08 34 08 34
Gillespie, W. E., Quitman	Logger	
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, Bert, Quitman	Sawlogs Tie cuts	08 19 20 23
Griffin Brothers Lumber Co. Coolidge	Sawlogs	08
Hampton, Jeff, Quitman	Logger	
Hancock Lumber Company Quitman	Sawlogs	02 08 33
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Hasty, Gordon L. Box 789, Thomasville	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jackson, Leroy, Quitman	Logger	
Johnson, Son, Quitman	Logger	
Kansinger, J. H., President and General Manager South Georgia Ry. Co. Perry, Florida	Hewn ties	02 08

BROOKS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Kent, Allen J., Buyer Atlantic Creosoting Co. Adel	Hewn ties Poles Piles	08 19 08 08
Kimbrough, John Box 474, Valdosta	Pulpwood timber	08
Kirby-Evans Material Co. Thomasville	Sawlogs	08
Langdale Company, The, Valdosta	Piling timber Pole timber Pulpwood timber Fence posts Naval stores gum Poles	08 08 08 08 04 05 08
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Maxwell Bros., Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
Mitchell Brothers Lumber Co. Metcalf	Sawlogs	08
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Prinsho Veneer Co., Inc. Valdosta	Commercial veneer blocks	19 20 30 33
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Southern Plywoods Greenville, Florida	Commercial veneer timber	19 20 22 30 33 35
Stevens, Will, Quitman	Logger	
Talley Veneer Company, Adel	Dimension bolts Package veneer blocks	08 10 12 14 19 20 22 30 33 08 10 12 14 19 20 22 30 33

BROOKS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Valdosta Plywoods, Inc. Valdosta	Commercial veneer blocks	19 20 22 29 30 33

COLQUITT COUNTY

Name and P. O. Address	Product Bought	Species
Bateman and Company, Camilla	Pulpwood	08
Bedsole, J. C. 112 S. Jefferson St., Albany	Pulpwood	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Castle, J. B., Stockton	Pulpwood timber	08
Coastal Plain Timber and Treating Company, Tifton	Fence posts Poles	08 08
Columbia Naval Stores Company Tifton	Naval stores gum	04 05
Connor Brothers Lumber Company Tifton	Sawlogs	02 08 33
Georgia Crate and Basket Co. Thomasville	Sawlogs Package veneer blocks	08 08 12 19 20 22 30 33 35
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, W. S., Camilla	Pole timber	08
Griffin Brothers Lumber Co. Coolidge	Sawlogs	08
Griffin, Joe L., Norman Park	Hewn tie timber Hewn ties	08 08
Hancock Lumber Company, Quitman	Sawlogs	02 08 33
Hasty, Gordon L. Box 789, Thomasville	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21

COLQUITT COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Keadle Brothers Co., Camilla	Sawlogs	08 33
Kent, Allen J., Buyer Atlantic Creosoting Co. Adel	Hewn ties Piles Poles	08 19 08 08
Kirby-Evans Material Company Thomasville	Sawlogs	08
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Layson Lumber Company Box 735, Albany	Sawlogs	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
Minix Furniture Mfg. Company Moultrie	Commercial veneer blocks	30 33
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts Poles	08 08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Reynolds Brothers Lumber Co. Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Sasser, R. H. 530 Broad Avenue, Albany	Hewn tie timber Hewn ties	08 19 20 23 08
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Sutton, Dr. J. M., Sylvester	Pulpwood	08
Talley Veneer Company, Adel	Dimension bolts Package veneer blocks	08 10 12 14 19 20 22 30 33 08 10 12 14 19 20 22 30 33

COLQUITT COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Tindel H. Box 406, Graceville, Florida	Pulpwood	08
Tindel Pulpwood Company Box 761, Albany	Pulpwood	08
Tyson Lumber Company, Camilla	Sawlogs	08
Tyson, W. M. Lumber Co., Inc. Cairo	Sawlogs	08 30 33 35
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

COOK COUNTY

Name and P. O. Address	Product Bought	Species
Augusta Hardwood Co., Augusta	Sawlogs	02 08 10 11 12 13 14 18 19 20 22 23 29 30 33
B. and T. Wood Preserving Co. Alapaha	Fence posts	08
Bateman, J. R., Homerville	Pulpwood timber Pulpwood	08 08
Bedsole, J. C. 112 S. Jefferson St., Albany	Pulpwood Logger	08
Boone, A. C., Adel	Logger	
Bray, J. N. Company, Valdosta	Sawlogs	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Carter, L. J., Adel	Logger	
Carter, Sam G., Adel	Logger	
Castle, J. B., Stockton	Pulpwood timber	08
Columbia Naval Stores Company Tifton	Naval stores gum	04 05
Coastal Plain Timber and Treating Company, Tifton	Fence posts Poles	08 08

COOK COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Connor Brothers Lumber Company Tifton	Sawlogs	02 08 33
Cribbs, C. R. and L. M. Ray City	Hewn tie timber	02 08 19
DeLoach, R. S. Box 339, Valdosta	Sawlogs	08 30 33
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, W. S., Camilla	Pole timber	08
Guest, B. F., Ray City	Logger	
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agt. Valdosta	Hewn ties	02 08 23
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Kansinger, J. H., President and General Manager South Georgia Ry. Co. Perry, Florida	Hewn ties	02 08
Kent, Allen J., Buyer Atlantic Creosoting Co. Adel	Hewn ties Piles Poles	08 19 08 08
Langdale Company, The, Valdosta	Piling timber Pole timber Pulpwood timber Fence posts Naval stores gum Poles	08 08 08 08 04 05 08
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Mathis and Vining 1604 Slater Street, Valdosta	Hewn ties	08
Maxwell Bros., Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08

COOK COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Prinsho Veneer Company, Inc. Valdosta	Commercial veneer blocks	19 20 30 33
Rowe, Homer, Alapaha	Pulpwood timber Pulpwood	08 08
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Templeton, J. O., Sparks	Logger	
Tillman, J. J., Adel	Logger	
Vining, G. C., Alapaha	Hewn tie timber	08
Wade, J. L., Lenox	Logger	
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

CRISP COUNTY

Name and P. O. Address	Product Bought	Species
Bedsole, J. C. 112 S. Jefferson St., Albany	Pulpwood	08
Columbia Naval Stores Company Fitzgerald	Naval stores gum	04 05
Columbia Naval Stores Company Tifton	Naval stores gum	04 05
Cordele Sash, Door, & Lbr. Co. Cordele	Sawlogs	02 08

CRISP COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Dayton Veneer & Lumber Mills Americus (R. R. Station-Arles)	Package veneer timber	08 15 18 19 20 22 29 30 33 35
	Package veneer blocks	08 15 18 19 20 22 29 30 33 35
Glidden Company, The, Valdosta	Naval stores gum	04 05
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 South Main Street Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agt. Valdosta	Hewn ties	02 08 23
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Lewis, E. F., Cordele	Handle bolts	08
Melton, T. D., Albany	Pulpwood	08
McKay, L. A., Pitts	Hewn tie timber	08
Rogers, H. Ross and Son Cordele	Pole timber	08
	Poles	08
	Pulpwood	08 34
	Sawlogs	08 10 11 13 15 16 18 19 20 21 22 29 30 32 33
	Commercial veneer blocks	19 20 22 30 33 35
	Logger	
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

DECATUR COUNTY

Name and P. O. Address	Product Bought	Species
Bailey, D. L., Bainbridge	Logger	
Bateman and Company, Camilla	Pulpwood	08
Bennett, V. R., Bainbridge	Logger	
Benson, A. B., Bainbridge	Logger	
Burney, R. B., Bainbridge	Logger	
Clemons, E. L., Bainbridge	Logger	
Climax Lumber Company, Inc. Climax	Sawlogs	08 33
Comerford, E. E., Bainbridge	Logger	
Craft, G. J., Bainbridge	Logger	
Dove, J. S., Bainbridge	Logger	
Elberta Crate and Box Company Bainbridge	Package veneer timber Sawlogs Package veneer blocks	08 18 19 20 22 30 33 35 02 08 10 18 19 20 21 22 23 30 33 35 08 18 19 20 22 30 33 35
Estes, L. P., Bainbridge	Logger	
Forehand, Calvin, Bainbridge	Logger	
Gibson Paperwood Company, Inc. Box 711, Tallahassee, Florida	Pulpwood timber Pulpwood	08 34 08 34
Glidden Company, The, Valdosta	Naval stores gum	04 05
Gragg and Willis Lumber Co. Bainbridge	Sawlogs	08 10 30 33 35
Green, W. S., Camilla	Pole timber	08
Hasty, Gordon L. Box 789, Thomasville	Pulpwood timber	08
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 South Main Street Fitzgerald	Hewn ties	08
Henderson, D. F. Havana, Florida	Logger	
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hickman and Sons, Bainbridge	Logger	

DECATUR COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Hiers, C. M., Bainbridge	Logger	
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Jester, Gordon, Bainbridge	Logger	
Jones Lumber Company Donalsonville	Sawlogs	02 08 33
Keadle Brothers Company Camilla	Sawlogs	08 33
Leary, Herbert Route 1, Tallahassee, Florida	Logger	
Leverett, W. J., Bainbridge	Logger	
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Long Brothers Lumber Company Bainbridge	Pulpwood timber Pulpwood	08 08
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
McElvey, Carl, Bainbridge	Logger	
McLeod Pulpwood Company Iron City	Pulpwood timber Pulpwood	08 08
Peake, George W. Eufaula, Alabama	Pulpwood	08
Peavey, M. D., Jr. Havana, Florida	Logger	
Phillips, J. F., Bainbridge	Logger	
Roland, Ernest Route 1, Tallahassee, Florida	Logger	
Shealey, D. W., Bainbridge	Logger	
Shelley, W. P. Box 882, Tallahassee, Florida	Hewn tie timber Hewn ties Logger	08 19 23 08 19 23
Simmons Brothers, Inc. Arlington	Package veneer timber Package veneer blocks	02 08 14 15 18 19 20 22 28 29 30 33 35 02 08 14 15 18 19 20 22 28 29 30 33 35

DECATUR COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Stephens, Abner, Bainbridge	Logger	
Tharp, J. W., River Junction	Hewn ties	08 19 20 23
Thompson, Harry, Bainbridge	Logger	
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Tyson, W. M. Lumber Co., Inc. Cairo	Sawlogs	08 30 33 35
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Watson, A. V., Bainbridge	Logger	
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34
Whittaker, C. G., Bainbridge	Logger	
Youmans, Gus, Donaldsonville	Sawlogs	02 08 11 15 18 19 20 22 23 29 30 33 35
Youmans, J. W., Donaldsonville	Fence posts	08
Zorn Brothers, Bainbridge	Logger	

DOOLY COUNTY

Name and P. O. Address	Product Bought	Species
C. and H. Veneer Company Hawkinsville	Package veneer blocks	08 19 20 22 29 30 33 35
Columbia Naval Stores Company Tifton	Naval stores gum	04 05
Cordele Sash, Door, & Lbr. Co. Cordele	Sawlogs	02 08
Dayton Veneer & Lumber Mills Americus (R. R. Station-Arles)	Package veneer timber	08 15 18 19 20 22 29 30 33 35
	Package veneer blocks	08 15 18 19 20 22 29 30 33 35

DOOLY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Glidden Company, The, Valdosta	Naval stores gum	04 05
Hawkinsville Lumber Company Hawkinsville	Sawlogs	02 08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Rogers, H. Ross and Son Cordele	Pole timber	08
	Poles	08
	Pulpwood	08 34
	Sawlogs	08 10 11 13 15 16 18 19 20 21 22 29 30 32 33
	Commercial veneer blocks	19 20 22 30 33 35
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Toney, P. E., Americus	Pulpwood	08

EARLY COUNTY

Name and P. O. Address	Product Bought	Species
Albany Northern Railway Co. Albany	Hewn ties	02
Chitty, M. C., Supervisor Central of Georgia Ry. Co. Albany	Hewn ties	02 08
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Cruel, Eugene, Bluffton	Logger	
Damascus Lumber Company Damascus	Sawlogs	02 08
Dancer, Mrs. W. R., Colquitt	Pulpwood	08
Edison Veneer Company, Edison	Package veneer timber	15 18 19 20 22 29 30 33 35
	Package veneer blocks	15 18 19 20 22 29 30 33 35

EARLY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, W. S., Camilla	Pole timber	08
Hartley Handle Company Blakely	Handle bolts	21
Hasty, J. B., Blakely	Logger	
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 South Main Street Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hightower Lumber Company Blakely	Sawlogs	01 02 08 10 19 20 26 33
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Jacobs, Robert, Arlington	Logger	
J. and J. Veneer Company Cuthbert	Package veneer blocks	13 15 18 19 20 22 29 30 33
Jones Lumber Company Donalsonville	Sawlogs	02 08 33
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
Moore, Carl, Blakely	Logger	
McDowell, W. E., Damascus	Logger	
McLeod Pulpwood Company Iron City	Pulpwood timber Pulpwood	08 08
Peake, George W. Eufaula, Alabama	Pulpwood	08
Ross, Claude, Arlington	Logger	
Sanders Lumber Company Arlington	Sawlogs	02 08
Simmons Brothers, Inc. Arlington	Package veneer timber	02 08 14 15 18 19 20 22 28 29 30 33 35
	Package veneer blocks	02 08 14 15 18 19 20 22 28 29 30 33 35

EARLY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Toney, P. E., Americus	Pulpwood	08
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34
Youmans, Gus, Donalsonville	Sawlogs	02 08 11 15 18 19 20 22 23 29 30 33 35

GRADY COUNTY

Name and P. O. Address	Product Bought	Species
Alexander-Harris Company Pelham	Commercial veneer blocks	30 33 35
Bateman and Company, Camilla	Pulpwood	08
Bryant, Arthur, Cairo	Logger	
Climax Lumber Company, Inc. Climax	Sawlogs	08 33
Crew, Jesse, Cairo	Logger	
Crew, L. W., Route 3, Cairo	Logger	
Elberta Crate and Box Company Bainbridge	Package veneer timber Sawlogs Package veneer blocks	08 18 19 20 22 30 33 35 02 08 10 18 19 20 21 22 23 30 33 35 08 18 19 20 22 30 33 35
Fulford, C. G., Cairo	Logger	
Gannie, Horace, Cairo	Logger	

GRADY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Georgia Crate and Basket Co. Thomasville	Sawlogs Package veneer blocks	08 08 12 19 20 22 30 33 35
Gibson Paperwood Company, Inc. Box 711, Tallahassee, Florida	Pulpwood timber Pulpwood	08 34 08 34
Glidden Company, The, Valdosta	Naval stores gum	04 05
Gragg and Willis Lumber Co. Bainbridge	Sawlogs	08 10 30 33 35
Green, W. S., Camilla	Pole timber	08
Griffin Brothers Lumber Co. Coolidge	Sawlogs	08
Harrell, J. D., Route 1, Cairo	Logger	
Hasty, Gordon L. Box 789, Thomasville	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Ireland, J. L., Box 33, Whigham	Logger	
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Keadle Brothers Company Camilla	Sawlogs	08 33
Kirby-Evans Material Co. Thomasville	Sawlogs	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Long Brothers Lumber Company Bainbridge	Pulpwood timber Pulpwood	08 08
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
Miller, Perry, Cairo	Logger	
Miller, W. P., Route 1, Cairo	Logger	
Mitchell Brothers Lumber Co. Metcalf	Sawlogs	08
Sellers, A. C., Cairo	Logger	
Shelley, W. P. Box 882, Tallahassee, Florida	Hewn tie timber Hewn ties	08 19 23 08 19 23
Shoemaker Lumber Company Whigham	Sawlogs	08

GRADY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Shoemaker, J. S., Whigham	Logger	
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Tyson Lumber Company, Camilla	Sawlogs	08
Tyson, W. M. Lumber Co., Inc. Cairo	Sawlogs	08 30 33 35
Walden, Gwin W., Route 3, Cairo	Logger	
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34

IRWIN COUNTY

Name and P. O. Address	Product Bought	Species
B. & T. Wood Preserving Co. Alapaha	Fence posts	08
Brewer, J. E., Jr. 412 S. Lee, Fitzgerald	Hewn ties	08 19
Coastal Plain Timber and Treating Company, Tifton	Fence posts Poles	08 08
Columbia Naval Stores Co. Fitzgerald	Naval stores gum	04 05
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Connor Brothers Lumber Company Tifton	Sawlogs	02 08 33
Day, J. Y., Ambrose	Sawlogs	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	Pulpwood timber Pulpwood	08 23 34 08 23 34
Filtered Rosin Products, Inc. Douglas	Naval stores gum	04 05

IRWIN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Glidden Company, The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Land, Roy, Box 123, Albany	Pulpwood	08
Ledbetter Lbr. Co., Willacoochee	Sawlogs	02 08 19 20 30 33
Love, John, Route 4, Fitzgerald	Hewn ties	08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Rowe, J. C., Tifton	Pole timber	08
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

LANIER COUNTY

Name and P. O. Address	Product Bought	Species
B. and T. Wood Preserving Co. Alapaha	Fence posts	08
Bateman, J. R., Homerville	Pulpwood timber Pulpwood	08 08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Castle, J. B., Stockton	Pulpwood timber	08
Cole, Leroy, Lakeland	Logger	

LANIER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Cribbs, C. R. and L. M. Ray City	Hewn tie timber	02 08 19
DeLoach, R. S. Box 339, Valdosta	Sawlogs	08 30 33
Georgia Lumber and Supply Co. Valdosta	Sawlogs	08 33
Glidden Company, The, Valdosta	Naval stores gum	04 05
Griffin, M. L., General Manager Lakeland Railway, Lakeland	Hewn ties	02
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Johnson, John Henry Route 4, Nashville	Hewn tie timber	08
Kent, Allen J., Buyer Atlantic Creosoting Co. Adel	Hewn ties Piles Poles	08 19 08 08
Kimbrough, John Box 474, Valdosta	Pulpwood timber	08
Langdale Company, The, Valdosta	Piling timber Pole timber Pulpwood timber Fence posts Naval stores gum Poles	08 08 08 08 04 05 08
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Little Suwannee Lbr. Co. Homerville	Sawlogs	02 08
Mathis and Vining 1604 Slater Street, Valdosta	Hewn ties	08
Maxwell Bros., Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23

LANIER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Prinsho Veneer Company, Inc. Valdosta	Commercial veneer blocks	19 20 30 33
Rowe, Homer, Alapaha	Pulpwood timber Pulpwood	08 08
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Star Naval Stores Co. Homerville	Naval stores gum	04 05
Studstill, J. F., Lakeland	Logger	
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Tomlinson, B. J., Lakeland	Hewn ties	02 08 19 23
Valdosta Plywoods, Inc. Valdosta	Commercial veneer blocks	19 20 22 29 30 33

LOWNDES COUNTY

Name and P. O. Address	Product Bought	Species
Bateman, J. R., Homerville	Pulpwood timber Pulpwood	08 08
Bray, J. N. Company, Valdosta	Sawlogs	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Castle, J. B., Stockton	Pulpwood timber	08
Columbia Lumber Company Lake Park	Sawlogs	08
Crawford, M. T., Route 3, Valdosta	Logger	
Cribbs, C. R. and L. M. Ray City	Hewn tie timber	02 08 19
DeLoach, R. S. Box 339, Valdosta	Sawlogs	08 30 33

LOWNDES COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
George, C. J., Valdosta	Logger	
Georgia Lumber and Supply Co. Valdosta	Sawlogs	08 33
Gibson Paperwood Co., Inc. Box 711, Tallahassee, Florida	Pulpwood timber Pulpwood	08 34 08 34
Glidden Company, The, Valdosta	Naval stores gum	04 05
Hancock Lumber Company Quitman	Sawlogs	02 08 33
Harris, A. S. Box 396, Valdosta	Pulpwood timber Logger	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Herndon, Willie Route 2, Lake Park	Logger	
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agt. Valdosta	Hewn ties	02 08 23
Hougen, L. H., Route 1, Valdosta	Logger	
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr., Eastman	Hewn ties	08 19 20 23
Johnson, Sam Bemis Road, Valdosta	Logger	
Kent, Allen J., Buyer Atlantic Creosoting Co. Adel	Hewn ties Piles Poles	08 19 08 08
Kimbrough, John Box 474, Valdosta	Pulpwood timber	08
Langdale Company, The, Valdosta	Piling timber Pole timber Pulpwood timber Fence posts Naval stores gum Poles	08 08 08 08 04 05 08
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Mathis and Vining 1604 Slater Street, Valdosta	Hewn ties	08

LOWNDES COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Maxwell Bros., Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
May, G. W., Supervisor Georgia & Florida Railroad Nashville	Hewn ties	02
Mayne, Henry O. 207 Holiday Street, Valdosta	Logger	
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Prinsho Veneer Company, Inc. Valdosta	Commercial veneer blocks	19 20 30 33
Rykard, G. E. W. Magnolia Street, Valdosta	Logger	
St. Regis Paper Co., Fargo	Sawlogs	08
Selph, Jack and George 711 River Street, Valdosta	Logger	
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Southall, J. T. 104 Briggs Street, Valdosta	Logger	
Strayhorn, J. T. Route 3, Valdosta	Logger	
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Thomas, W. M. 405 E. Central Avenue, Valdosta	Logger	
Thomas, Z. B. Box 136, Valdosta	Logger	
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08

LOWNDES COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Tyler, A. T., Hahira	Logger	
Valdosta Plywoods, Inc. Valdosta	Commercial veneer blocks	19 20 22 29 30 33
Vickery, S. M. Pendleton Avenue, Valdosta	Logger	
White, J. C., Clyattville	Logger	

MILLER COUNTY

Name and P. O. Address	Product Bought	Species
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Damascus Lumber Co., Damascus	Sawlogs	02 08
Dancer, Mrs. W. R., Colquitt	Pulpwood	08
Elberta Crate and Box Company Bainbridge	Package veneer timber	08 18 19 20 22 30 33 35
	Sawlogs	02 08 10 18 19 20 21 22 23 30 33 35
	Package veneer blocks	08 18 19 20 22 30 33 35
Glidden Company, The, Valdosta	Naval stores gum	04 05
Gragg and Willis Lumber Co. Bainbridge	Sawlogs	08 10 30 33 35
Green, W. S., Camilla	Pole timber	08
Hartley Handle Company Blakely	Handle bolts	21
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 South Main Street Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hightower Lumber Company Blakely	Sawlogs	01 02 08 10 19 20 26 33
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Jones Lumber Company Donalsonville	Sawlogs	02 08 33

MILLER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
McLeod Pulpwood Company Iron City	Pulpwood timber Pulpwood	08 08
Peake, George W. Eufaula, Alabama	Pulpwood	08
Simmons Brothers, Inc. Arlington	Package veneer timber Package veneer blocks	02 08 14 15 18 19 20 22 28 29 30 33 35 02 08 14 15 18 19 20 22 28 29 30 33 35
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Toney, P. E., Americus	Pulpwood	08
Tyson, W. M. Lumber Co., Inc. Cairo	Sawlogs	08 30 33 35
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34
Youmans, Gus, Donalsonville	Sawlogs	02 08 11 15 18 19 20 22 23 29 30 33 35
Youmans, J. W., Donalsonville	Fence posts	08

MITCHELL COUNTY

Name and P. O. Address	Product Bought	Species
Albany Northern Railway Co. Albany	Hewn ties	02
Alexander-Harris Company Pelham	Commercial veneer blocks	30 33 35
Bateman and Company, Camilla	Pulpwood	08
Brooks, Loris B., Camilla	Logger	
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Climax Lumber Company, Inc. Climax	Sawlogs	08 33
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Gainous, H. E., Pelham	Logger	
Georgia Crate and Basket Co. Thomasville	Sawlogs Package veneer blocks	08 08 12 19 20 22 30 33 35
Glidden Company, The, Valdosta	Naval stores gum	04 05
Gragg and Willis Lumber Co. Bainbridge	Sawlogs	08 10 30 33 35
Green, W. S., Camilla	Pole timber	08
Griffin Brothers Lumber Co. Coolidge	Sawlogs	08
Hasty, Gordon L. Box 789, Thomasville	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Keadle Brothers Company Camilla	Sawlogs	08 33
Kirby-Evans Material Co. Thomasville	Sawlogs	08
Land, Roy, Box 123, Albany	Pulpwood	08
Layson Lumber Company Box 735, Albany	Sawlogs	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08

MITCHELL COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Maxwell, Fred, Pelham	Logger	
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
Minix Furniture Mfg. Company Moultrie	Commercial veneer blocks	30 33
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08
Pritchart, A. J., Pelham	Logger	
Reynolds Brothers Lumber Co. Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Simmons Brothers, Inc. Arlington	Package veneer timber	02 08 14 15 18 19 20 22 28 29 30 33 35
	Package veneer blocks	02 08 14 15 18 19 20 22 28 29 30 33 35
Southland Timber Corp. Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Sutton, Dr. J. M., Sylvester	Pulpwood	08
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Tripp, J. W., Camilla	Logger	
Tyson Lumber Company, Camilla	Sawlogs	08
Tyson, W. M. Lumber Co., Inc. Cairo	Sawlogs	08 30 33 35
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34

SEMINOLE COUNTY

Name and P. O. Address	Product Bought	Species
Elberta Crate and Box Company Bainbridge	Package veneer timber Sawlogs Package veneer blocks	08 18 19 20 22 30 33 35 02 08 10 18 19 20 21 22 23 30 33 35 08 18 19 20 22 30 33 35
Gibson Paperwood Co., Inc. Box 711, Tallahassee, Florida	Pulpwood timber Pulpwood	08 34 08 34
Glidden Company, The, Valdosta	Naval stores gum	04 05
Gragg and Willis Lumber Co. Bainbridge	Sawlogs	08 10 30 33 35
Green, W. S., Camilla	Pole timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Johnson, E. M., Donalsonville	Logger	
Jones Lumber Company Donalsonville	Sawlogs	02 08 33
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
McLeod Pulpwood Company Iron City	Pulpwood timber Pulpwood	08 08
Simmons Brothers, Inc. Arlington	Package veneer timber Package veneer blocks	02 08 14 15 18 19 20 22 28 29 30 33 35 02 08 14 15 18 19 20 22 28 29 30 33 35
Southland Timber Corp. Box 1063, Albany	Pulpwood	08 34
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34
Youmans, Gus, Donalsonville	Sawlogs Logger	02 08 11 15 18 19 20 22 23 29 30 33 35

SEMINOLE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Youmans, J. W., Donalsonville	Fence posts	08

THOMAS COUNTY

Name and P. O. Address	Product Bought	Species
Baker, C. C., Coolidge	Logger	
Bateman and Company, Camilla	Pulpwood	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Butler, M. C., Thomasville	Logger	
Butler, R. V., Thomasville	Logger	
Florida Veneer and Lbr. Co. Monticello, Florida	Commercial veneer blocks	02 08 19 20 22 30 33 35
Georgia Crate and Basket Co. Thomasville	Sawlogs Package veneer blocks	08 08 12 19 20 22 30 33 35
Gibson Paperwood Co., Inc. Box 711, Tallahassee, Florida	Pulpwood timber Pulpwood	08 34 08 34
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, W. S., Camilla	Pole timber	08
Griffin Brothers Lumber Co. Coolidge	Sawlogs	08
Hancock Lumber Company, Quitman	Sawlogs	02 08 33
Harris, J. H. Box 611, Thomasville	Logger	
Hart, Hubert, Pavo	Logger	
Hasty, Gordon L. Box 789, Thomasville	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Herring, George, Thomasville	Logger	
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Keadle Brothers Company Camilla	Sawlogs	08 33

THOMAS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Kirby-Evans Material Co. Thomasville	Sawlogs	08
Kimbrough, John Box 474, Valdosta	Pulpwood timber	08
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
Medgentra Ltd., Bainbridge	Dimension bolts Shuttle bolts	10 21 17 28
Minix Furniture Mfg. Company Moultrie	Commercial veneer blocks	30 33
Mitchell Brothers Lumber Co. Metcalf	Sawlogs	08
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08
Murkerson, Earl, Thomasville	Logger	
Musgrove, Frank, Thomasville	Logger	
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Shelley, W. P. Box 882, Tallahassee, Florida	Hewn tie timber Hewn ties	08 19 23 08 19 23
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Smith, W. G., Thomasville	Logger	
Southland Timber Corp. Box 1063, Albany	Pulpwood	08 34
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Tindel, H. Box 406, Graceville, Florida	Pulpwood	08
Tyson, W. M. Lumber Co., Inc. Cairo	Sawlogs	08 30 33 35

THOMAS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Wells, R. E. Box 241, Bainbridge	Pulpwood timber Pulpwood	08 08 34
Whitfield, W. A., Thomasville	Logger	

TIFT COUNTY

Name and P. O. Address	Product Bought	Species
B. and T. Wood Preserving Co. Alapaha	Fence posts	08
Bedsole, J. C. 112 S. Jefferson St., Albany	Pulpwood	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Castle, J. B., Stockton	Pulpwood timber	08
Coastal Plain Timber and Treating Company, Tifton	Fence posts Poles	08 08
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Connor Brothers Lumber Company Tifton	Sawlogs	02 08 33
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, W. S., Camilla	Pole timber	08
Griffin, Joe L., Norman Park	Hewn tie timber Hewn ties	08 08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agt. Valdosta	Hewn ties	02 08 23
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Land, Roy, Box 123, Albany	Pulpwood	08
Ledbetter Lbr. Co., Willacoochee	Sawlogs	02 08 19 20 30 33

TIFT COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Maxwell Bros., Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Rowe, Homer, Alapaha	Pulpwood timber Pulpwood	08 08
Rowe, J. C., Tifton	Pole timber	08
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Shiver, Warren, Tifton	Logger	
Southland Timber Corp. Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Sutton, Dr. J. M., Sylvester	Pulpwood	08
Talley Veneer Company, Adel	Dimension bolts Package veneer blocks	08 10 12 14 19 20 22 30 33 08 10 12 14 19 20 22 30 33
Tillery, L. H., Omega	Logger	
Tindel Pulpwood Company Box 761, Albany	Pulpwood	08
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

TURNER COUNTY

Name and P. O. Address	Product Bought	Species
Bedsole, J. C. 112 S. Jefferson St., Albany	Pulpwood	08
Coastal Plain Timber and Treating Company, Tifton	Fence posts Poles	08 08

TURNER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Columbia Naval Stores Co. Fitzgerald	Naval stores gum	04 05
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Connor Brothers Lumber Company Tifton	Sawlogs	02 08 33
Cordele Sash, Door, & Lbr. Co. Cordele	Sawlogs	02 08
Glidden Company, The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agt. Valdosta	Hewn ties	02 08 23
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Land, Roy, Box 123, Albany	Pulpwood	08
Melton, T. D., Albany	Pulpwood	08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
McKay, L. A., Pitts	Hewn tie timber	08
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Reynolds Brothers Lumber Co. Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Rogers, H. Ross and Son Cordele	Pole timber Poles Pulpwood Sawlogs Commercial veneer blocks	08 08 08 34 08 10 11 13 15 16 18 19 20 21 22 29 30 32 33 19 20 22 30 33 35
Southland Timber Corp. Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19

TURNER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Sutton, Dr. J. M., Sylvester	Pulpwood	08
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

WILCOX COUNTY

Name and P. O. Address	Product Bought	Species
C. and H. Veneer Company Hawkinsville	Package veneer blocks	08 19 20 22 29 30 33 35
Columbia Naval Stores Co. Fitzgerald	Naval stores gum	04 05
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Cordele Sash, Door, & Lbr. Co. Cordele	Sawlogs	02 08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	Pulpwood timber Pulpwood	08 23 34 08 23 34
Glidden Company, The, Valdosta	Naval stores gum	04 05
Graham, J. W., Rochelle	Pulpwood timber	08
Hawkinsville Lumber Company Hawkinsville	Sawlogs	02 08
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 South Main Street Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores gum	04 05

WILCOX COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Houston Mfg. Co., Abbeville	Sawlogs	08
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Lewis, E. F., Cordele	Handle bolts	08
Melton, T. D., Albany	Pulpwood	08
McKay, L. A., Pitts	Hewn tie timber	08
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Peninsular-Lurton Company Helena	Naval stores gum	04 05
Rogers, H. Ross and Son Cordele	Pole timber	08
	Poles	08
	Pulpwood	08 34
	Sawlogs	08 10 11 13 15 16 18 19 20 21 22 29 30 32 33
	Commercial veneer blocks	19 20 22 30 33 35
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Telfair Tie Company, McRae	Hewn ties	08 19 20 23
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

WORTH COUNTY

Name and P. O. Address	Product Bought	Species
Albany Northern Railway Co. Albany	Hewn ties	02

WORTH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Bateman and Company, Camilla	Pulpwood	08
Bedsole, J. C. 112 S. Jefferson St., Albany	Pulpwood	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Coastal Plain Timber and Treating Company, Tifton	Fence posts Poles	08 08
Columbia Naval Stores Co. Tifton	Naval stores gum	04 05
Connor Brothers Lumber Company Tifton	Sawlogs	02 08 33
Glidden Company, The, Valdosta	Naval stores gum	04 05
Green, W. S., Camilla	Pole timber	08
Griffin, Joe L., Norman Park	Hewn tie timber Hewn ties	08 08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Company Box 552, Valdosta	Handle bolts	10 21
Keadle Brothers Company Camilla	Sawlogs	08 33
Kent, Allen J., Buyer Atlantic Creosoting Co. Adel	Hewn ties Piles Poles	08 19 08 08
Land, Roy, Box 123, Albany	Pulpwood	08
Layson Lumber Company Box 735, Albany	Sawlogs	08
Lewis Wood Preserving Company Camilla	Pole timber Poles	08 08
McLane-Frost Tie Company Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Reynolds Brothers Lumber Co. Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35

WORTH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Rogers, H. Ross and Son Cordele	Pole timber	08
	Poles	08
	Pulpwood	08 34
	Sawlogs	08 10 11 13 15 16 18 19 20 21 22 29 30 32 33
	Commercial veneer blocks	19 20 22 30 33 35
Sasser, R. H. 530 Broad Avenue, Albany	Hewn tie timber	08 19 20 23
	Hewn ties	08
Shelton Naval Stores Processing Company, Valdosta	Naval stores gum	04 05
Southland Timber Corporation Box 1063, Albany	Pulpwood	08 34
Stowell-MacGregor Corporation c/o Clark Thread Co., Albany	Dimension bolts	19
Sutton, Dr. J. M., Sylvester	Pulpwood	08
Talley Veneer Company, Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Tindel Pulpwood Company Box 761, Albany	Pulpwood	08
Watkins Lumber Company, Albany	Sawlogs	01 02 08 10 12 13 18 19 20 21 22 23 29 30 33 35
Welch, L. A., Poulan	Logger	

SPECIFICATIONS FOR SOUTHERN PINE POLES

(Adapted from "American Standard Specifications and Dimensions for Wood Poles," American Standards Association, 05.1-1948).

These specifications cover southern pine poles which are to be given a preservative treatment. Poles are to be classified in accordance with the tables of dimensions.

The length and class of poles wanted shall be stated in the orders.

Complete detailed instructions shall be given the supplier in all cases where modifications are to be made in these specifications to meet special requirements.

MATERIAL REQUIREMENTS

Species

All poles shall be cut from live southern pine timber, Longleaf Pine (Pinus palustris), Shortleaf Pine (Pinus echinata), Loblolly Pine (Pinus taeda), Slash Pine (Pinus caribaea), and Pond Pine (Pinus rigida serotina).

Prohibited Defects

Cross-breaks (cracks). Bird holes. Plugged holes, except increment borer holes. Hollow butts or tops, except as permitted under "Hollow pith centers" and "Defective butts." Marine borer damage. Splits or through-checks in the top. Decay, except as permitted under "Firm red heart," "Dead knots," and "Defective butts." Nails, spikes, and other metal not specifically authorized by the purchaser.

Permitted Defects

Sap stain.--Sap stain that is not accompanied by softening or other disintegration (decay) of the wood is permitted.

Firm red heart.--Firm red heart not accompanied by softening or other disintegration (decay) of the wood is permitted.

Spiral grain.--Spiral grain (twist grain) is permitted as follows:

Length of pole	Maximum twist of grain permitted
30 feet and shorter	1 complete twist in any 10 feet
35 to 45 feet	1 complete twist in any 16 feet
50 feet and longer	1 complete twist in any 20 feet

Hollow pith centers.--Hollow pith centers in the tops or butts and in knots are permitted in poles that are to be given full-length treatment.

Limited Defects

Checks and splits in butts.--Through-checks or splits in the butt surface are permitted, provided that their height from the butt along the side surface does not exceed 2 feet.

Shakes.--Shakes in the butt surface extending through an arc of not more than 90 degrees are permitted. Shakes extending through an arc of more than 90 degrees are permitted when they are inside of a circle the center of which corresponds to the center of the butt surface and the diameter of which is not greater than one-half the average butt diameter.

Shakes in the top surface are permitted in poles that are to be given full-length treatment provided that the width of the shake does not exceed 1/16-inch and provided that the diameter of the shake is not greater than one-half the diameter of the top of the pole.

Insect damage.--Insect damage consisting of holes 1/16-inch or less in diameter, or surface scoring or channeling are permitted. All other forms of insect damage are prohibited.

Knots.--The diameter of any single knot or the sum of the diameters of all knots in any 1-foot section shall not exceed the limits set up in the following table. Knots $\frac{1}{2}$-inch or less in diameter shall be ignored in applying the limitations for the sum of diameters.

Maximum sizes of knots permitted

Length of pole	Diameter of any single knot		Sum of diameters of all knots in any 1-foot section
	Class 1 - 3	Class 4 - 10	All classes
	Inches	Inches	Inches
45 feet or less	4	3	8
50 feet or more	5	5	10

Dead knots.--Decay is permitted in knots provided it is not associated with heart rot.

Scars.--No pole shall have a scar or turpentine face located within 2 feet of the ground line. Turpentine scars need be trimmed only to the extent necessary to examine for evidence of fungus infection and insect damage. Other sound scars are permitted elsewhere

on the pole surface, provided they are smoothly trimmed and do not interfere with the placing of cross arms or other fittings, and provided:

(a) That the circumference at any point on trimmed surfaces located between the butt and 2 feet below the ground line is not less than the minimum circumference specified at 6 feet from the butt for the class and length of the pole.

(b) That the depth of the trimmed scar is not more than 2 inches if the diameter of the pole is 10 inches or less, or one-fifth of the pole diameter at the location of the scar if such diameter is more than 10 inches.

Dead streaks.--Sound dead streaks not wider than one-fourth of the circumference of the pole at the point of measurement are permitted.

Compression wood.--The outer one inch of all poles shall be free from compression wood.

Defective butts.--Hollowing in the butt caused by "splinter pulling" in felling the tree is permitted, provided that the area of such a hollow is less than 10 percent of the butt area.

Shape.--Poles shall be free from short crooks. See diagrams on last page.

A pole may have sweep subject to the following limitations:

(a) Where sweep is in one plane and one direction only, a straight line joining the surface of the pole at the ground line and the edge of the pole at the top shall not be distant from the surface of the pole at any point by an amount greater than 1 inch for each 6 feet of length between these points.

(b) Where sweep is in two planes (double sweep) or in two directions in one plane (reverse sweep), a straight line connecting the mid-point at the ground line with the mid-point at the top shall not at any intermediate point pass through the external surface of the pole.

DIMENSIONS

Length

Poles less than 50 feet in length shall not be more than 3 inches shorter or 6 inches longer than nominal length. Poles 50 feet or over in length shall not be more than 6 inches shorter or 12 inches longer than nominal length.

Length shall be measured between the extreme ends of the pole.

Circumference

The minimum circumferences and corresponding diameters at 6 feet from the butt (except for Classes 8, 9, and 10) and at the top for each length and class of pole are listed in the tables of dimensions. The circumference at 6 feet from the butt of poles in Classes 1 to 7 inclusive, shall be not more than 7 inches larger than the specified minimum.

The top dimensional requirement shall apply at a point corresponding to the minimum length permitted for the pole.

Classification

The true circumference class shall be determined as follows: Measure the circumference at 6 feet from the butt. This dimension will determine the true class of the pole, provided that its top (measured at the minimum length point) is large enough. Otherwise, the circumference at the top will determine the true class, provided that the circumference at 6 feet from the butt does not exceed the specified minimum by more than 7 inches.

MANUFACTURING REQUIREMENTS

Bark Removal

Outer bark shall be completely removed from all poles.

On all poles no patch of inner bark more than 1 inch wide shall be left on the pole surface between the butt and 2 feet below the ground line.

On poles that are to be full-length treated, no patch of inner bark larger than 1 inch wide and 6 inches long shall be left on the pole surface between the top and 2 feet below the ground line.

On poles that are to be butt-treated, no patch of inner bark larger than 1 inch wide and 6 inches long shall be left on the pole surface between points 1 foot above and 2 feet below the ground line.

Sawing

All poles shall be neatly sawed at the top (unless otherwise ordered) and at the butt along a plane which shall not be out of square with the axis of the pole by more than 2 inches per foot of diameter of the sawed surface. Beveling at the edge of the sawed butt surface not more than one-twelfth of the butt diameter in width, or an equivalent area unsymmetrically located, is permitted.

Trimming

Completely overgrown knots rising more than 1 inch above the pole surface, branch stubs, and partially overgrown knots, shall be trimmed close. Completely overgrown knots less than 1 inch high need not be trimmed. Trimming may be done by shaving machine or by hand.

STORAGE AND HANDLING

Storage

When it is necessary for any reason to hold poles in storage, they shall be stacked on treated skids of such dimensions and so arranged as to support the poles without producing noticeable distortion of any of them. Poles shall be piled in such a manner as to permit free circulation of air, and they shall be supported at all points at least 1 foot above the general ground level or any vegetation growing thereon. No decayed or decaying wood shall be permitted to remain underneath stored poles.

Handling

Pole tongs, cant hooks, or other tools shall not be applied to the ground line section of any pole.

DEFINITION OF TERMS

The following definitions shall apply in these specifications:

Check.--A check is a separation of the wood along the grain, the greater part of which occurs across the rings of annual growth. A through-check extends from surface to surface of the pole, usually through the pith center.

Compression wood.--Compression wood is abnormal wood that often forms on the lower side of branches and inclined trunks of coniferous trees. Compression wood is (a) characterized by relatively wide annual rings, usually eccentric; (b) has a relatively high proportion of summerwood (frequently more than 50 percent of the width of the annual rings in which it occurs); (c) exhibits but little contrast in color between springwood and summerwood, and (d) shrinks excessively lengthwise as compared with normal wood.

Cross-break (crack).--A cross-break is a separation of the wood cells across the grain. Such breaks may be due to internal strains resulting from unequal longitudinal shrinkage or to external forces.

Dead knot.--A dead knot is a knot left by a branch that died before the tree was cut. An encased knot is a dead knot in which the

growth layers are not intergrown with those of the surrounding wood. Dead knots may contain soft fibers (decay) that usually do not extend deeper than an inch or two from the pole surface. They are distinct from rotten or decayed knots in which the loose or soft fibers (decay) may extend the full length of the knot into the pole, and which are frequently associated with heart rot.

Dead streak.--A dead streak is any portion of the sapwood in which the life processes had ended prior to the cutting of the tree. A dead streak starts from the butt and differs from a wound, such as a cat face or scar, where the growth of new wood shows that life processes are still acting to repair the injured part.

Decay.--Decay is the disintegration of wood substance due to the action of wood-destroying fungi. Rot and dote mean the same as decay.

Face of pole.--The face of a pole is the concave side, or the side of greatest curvature in poles having reverse or double sweep, between the ground line and top.

Ground-line section.--The ground-line section is that portion of a pole between 1 foot above and 2 feet below the ground line as defined in the pole dimension tables.

Hollow heart.--A hollow heart is a hollow in the heartwood of a living tree caused by insects or fungi.

Hollow pith center.--A hollow pith center is a small hole at the center of the trunk, or of a knot, caused by disintegration of the pith (small soft core occurring in the structural center of a tree or branch).

Insect damage.--Insect damage is the result of boring in the pole by insects or insect larvae. Scoring or channeling of the pole surface is not classed as insect damage.

Knot diameter.--A knot diameter is the diameter of a knot on the surface of the pole measured in a direction at right angles to the lengthwise axis of the pole.

Red heart.--Red heart is caused by a fungus, Fomes pini, that occurs in the living tree. It is characterized in the early stages of infection by a reddish or brownish color in the heartwood. This is known as "firm red heart." Later the wood, in the case of the living tree, disintegrates (decays) in small, usually distinct areas that develop into white-line pockets.

Sap stain.--Sap stain is a discoloration of the sapwood caused by the action of certain molds and fungi that is not accompanied by softening or disintegration of the wood.

Scar (cat face).--A scar is a depression in the surface of the pole resulting from a wound where healing has not re-established the normal cross-section of the pole.

Shake.--A shake is a separation along the grain, the greater part of which occurs between the rings of annual growth.

Short crook.--A short crook is a localized deviation from straightness which, within any section 5 feet or less in length, is more than one-half the mean diameter of the crooked section. See diagrams on last page.

Spiral grain (twist grain).--Spiral grain is a type of growth in which the fibers take a spiral course about the bole of a tree instead of the normal vertical course. The spiral may extend right-handed or left-handed around the tree trunk. The amount of spiral grain in a pole is measured as the distance in feet along the axis of the pole in which one complete twist of the spiral occurs, and is expressed as for example, 1 in 10.

Split.--A split is a lengthwise separation of the wood due to the tearing apart of the wood cells, extending from surface to surface of the pole.

Sweep.--Sweep is the deviation of a pole from straightness. See diagrams on last page.

Dimensions of southern pine poles
(Fiber stress 7,400 pounds per square inch)

Class		1	2	3	4	5	6	7	8	9	10
Minimum circumference at top (Inches)		27	25	23	21	19	17	15	18	15	12
Length of pole	Distance butt to ground line 1/	Minimum circumference at 6 feet from butt									
Feet	Feet	Inches	Inches	Inches	Inches	Inches	Inches	Inches			
16	3½					21.5	19.5	18.0	No butt requirements 2/	No butt requirements 2/	No butt requirements 2/
18	3½			26.5	24.5	22.5	21.0	19.0			
20	4	31.5	29.5	27.5	25.5	23.5	22.0	20.0			
22	4	33.0	31.0	29.0	26.5	24.5	23.0	21.0			
25	5	34.5	32.5	30.0	28.0	26.0	24.0	22.0			
30	5½	37.5	35.0	32.5	30.0	28.0	26.0	24.0			
35	6	40.0	37.5	35.0	32.0	30.0	27.5	25.5			
40	6	42.0	39.5	37.0	34.0	31.5	29.0	27.0			
45	6½	44.0	41.5	38.5	36.0	33.0	30.5	28.5			
50	7	46.0	43.0	40.0	37.5	34.5	32.0	29.5			
55	7½	47.5	44.5	41.5	39.0	36.0	33.5				
60	8	49.5	46.0	43.0	40.0	37.0	34.5				
65	8½	51.0	47.5	44.5	41.5	38.5					
70	9	52.5	49.0	46.0	42.5	39.5					
75	9½	54.0	50.5	47.0	44.0						
80	10	55.0	51.5	48.5	45.0						
85	10½	56.5	53.0	49.5							
90	11	57.5	54.0	50.5							
95	11	58.5	55.0	51.5							
100	11	60.0	56.0	52.5							

1/ The figures in this column are intended solely for use whenever a definition of ground line is necessary in order to apply specification requirements relating to scars, straightness, etc.

2/ Lines indicate length limits.

Diameter specifications for southern pine poles 1/

Class	1	2	3	4	5	6	7	8	9	
Minimum diameter at top (Inches)	8.6	8.0	7.3	6.7	6.0	5.4	4.8	5.7	4.8	3
Length of pole	Minimum diameter at 6 feet from butt									
Feet	Inches	Inches	Inches	Inches	Inches	Inches	Inches			
16					6.8	6.2	5.7			
18			8.4	7.8	7.2	6.7	6.0			
20	10.0	9.4	8.8	8.1	7.5	7.0	6.4			
22	10.5	9.9	9.2	8.4	7.8	7.3	6.7			
25	11.0	10.3	9.5	8.9	8.3	7.6	7.0			
30	11.9	11.1	10.3	9.5	8.9	8.3	7.6			
35	12.7	11.9	11.1	10.2	9.5	8.8	8.1			
40	13.4	12.6	11.8	10.8	10.0	9.2	8.6			
45	14.0	13.2	12.3	11.5	10.5	9.7	9.1			
50	14.6	13.7	12.7	11.9	11.0	10.2	9.4			
55	15.1	14.2	13.2	12.4	11.5	10.7				
60	15.8	14.6	13.7	12.7	11.8	11.0				
65	16.2	15.1	14.2	13.2	12.3					
70	16.7	15.6	14.6	13.5	12.6					
75	17.2	16.1	15.0	14.0						
80	17.5	16.4	15.4	14.3						
85	18.0	16.9	15.8							
90	18.3	17.2	16.1							
95	18.6	17.5	16.4							
100	19.1	17.9	16.7							

No butt requirements 2/

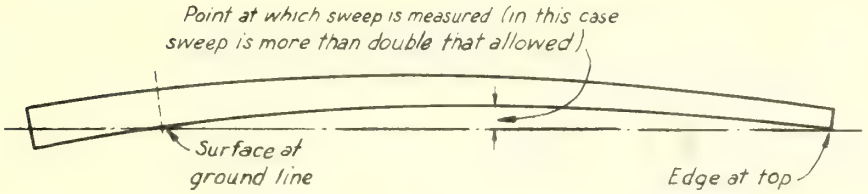
No butt requirements 2/

1/ Diameters to the nearest one-tenth inch obtained by converting circumference specifications, assuming all poles to be round.

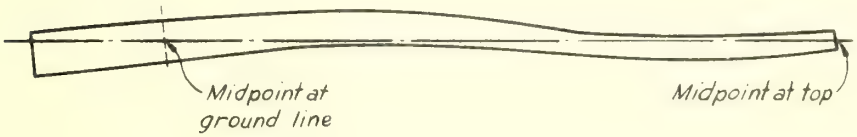
2/ Lines indicate length limits.

MEASUREMENT OF SWEEP AND SHORT CROOK IN POLES

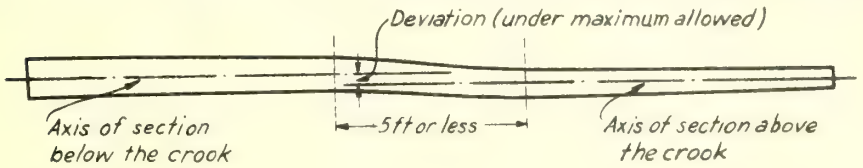
SWEEP IN ONE PLANE AND ONE DIRECTION



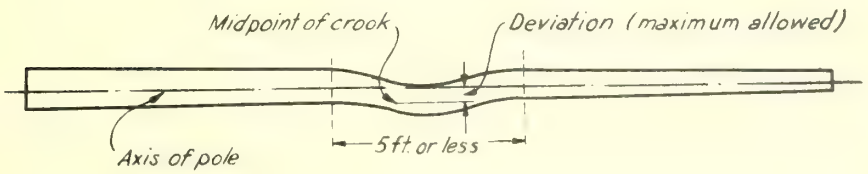
SWEEP IN TWO PLANES (DOUBLE SWEEP) OR IN TWO DIRECTIONS IN ONE PLANE (REVERSE SWEEP)



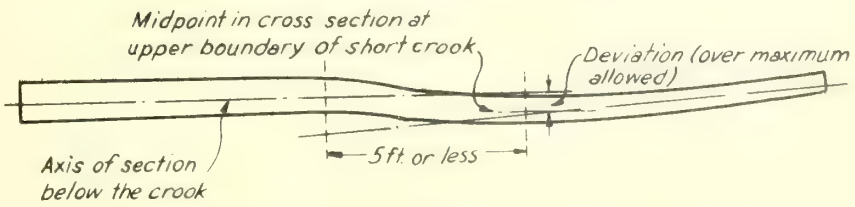
SHORT CROOK WITH REFERENCE AXES APPROXIMATELY PARALLEL



SHORT CROOK WITH REFERENCE AXES COINCIDENT OR PRACTICALLY SO

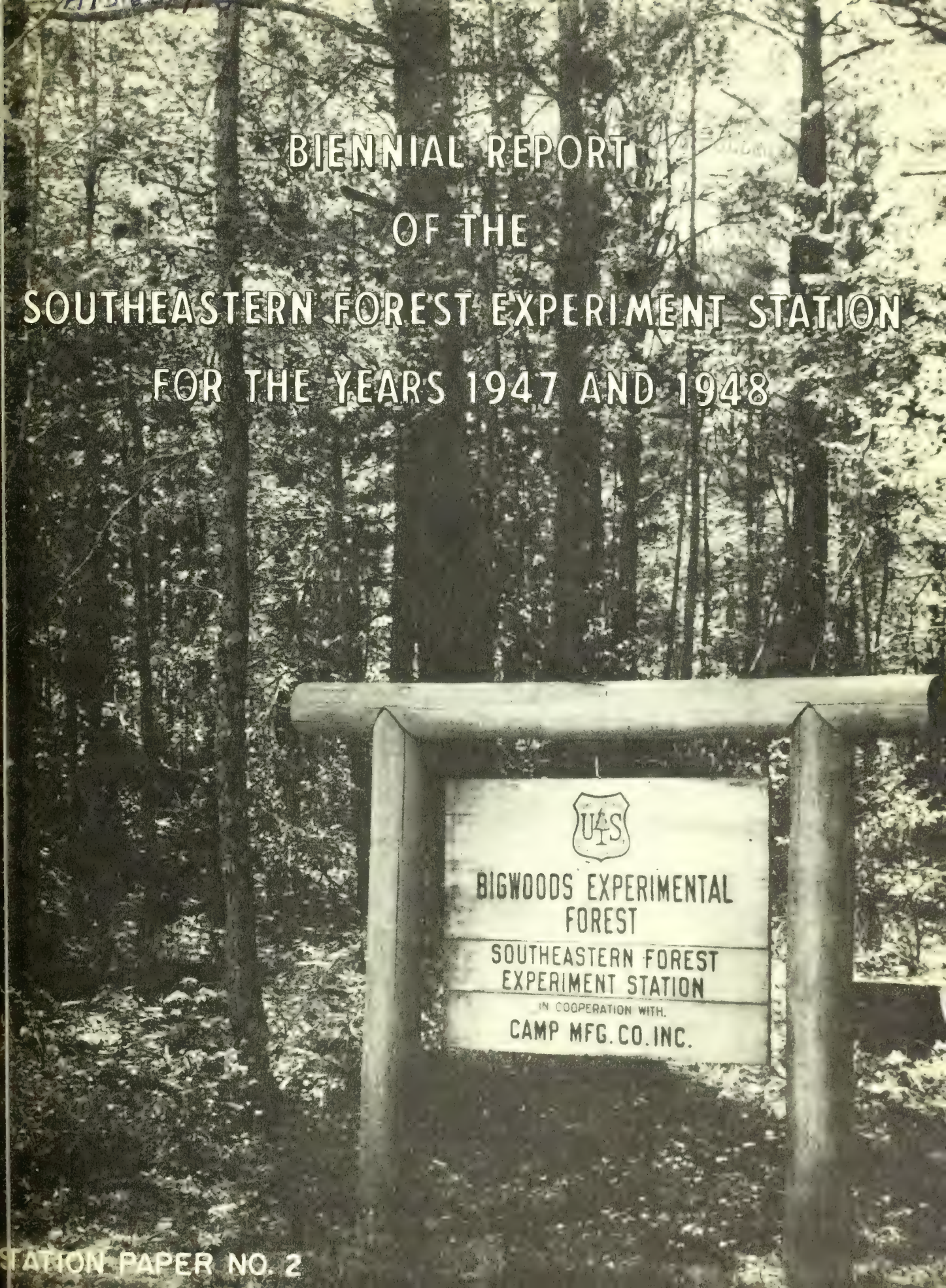


SHORT CROOK WITH REFERENCE AXES NEITHER COINCIDENT NOR PARALLEL


Midpoint in cross section at upper boundary of short crook
Deviation (over maximum allowed)
Axis of section below the crook
5ft or less

Note: The three cases shown under SHORT CROOK are typical and are intended to establish the principle of measuring short crooks. There may be other cases not exactly like those illustrated.

BIENNIAL REPORT OF THE SOUTHEASTERN FOREST EXPERIMENT STATION FOR THE YEARS 1947 AND 1948



STATION PAPER NO. 2

SOUTHEASTERN FOREST EXPERIMENT STATION
ASHEVILLE, NORTH CAROLINA

I.T. HAIG, Director

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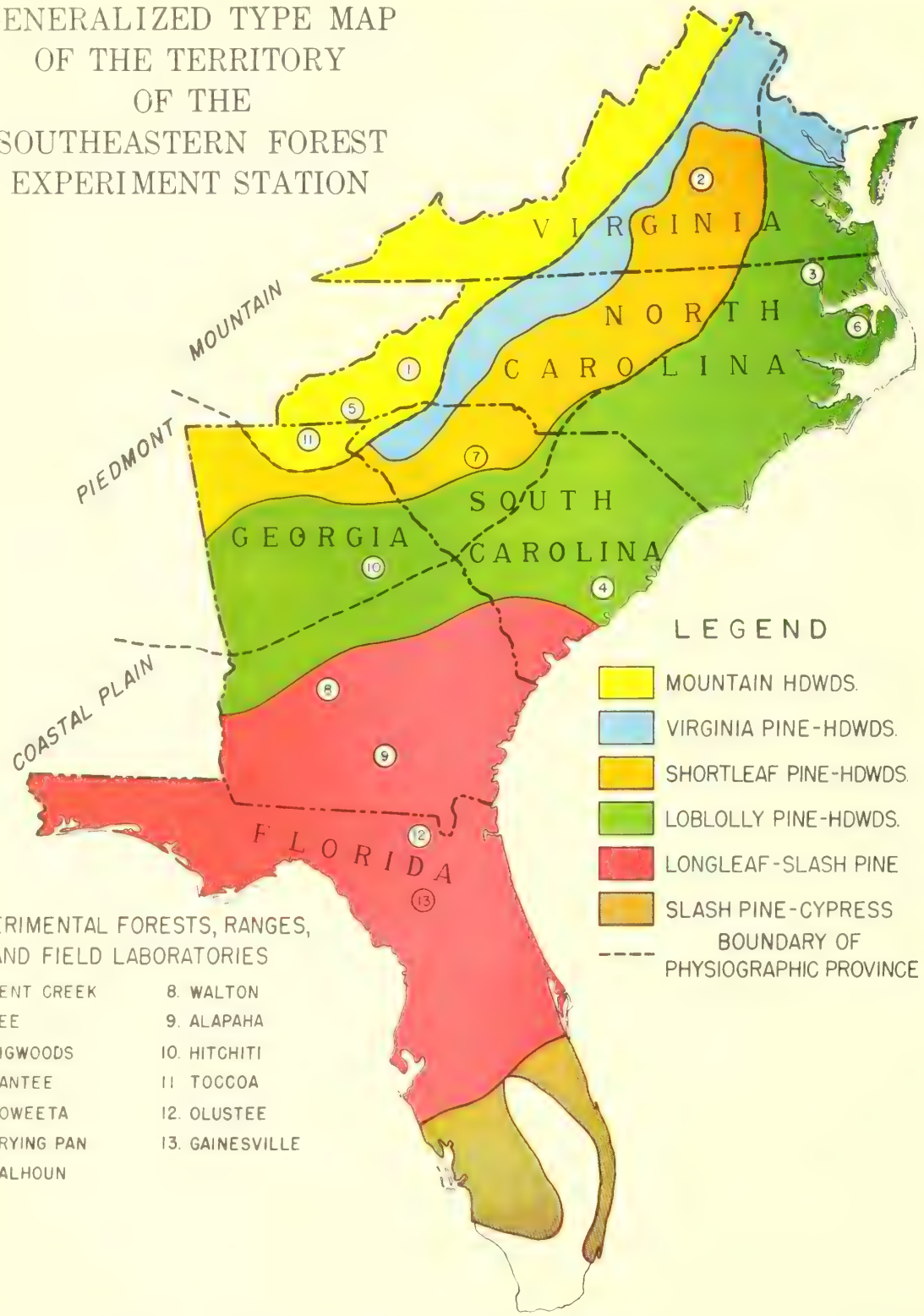
BIENNIAL REPORT
OF THE
SOUTHEASTERN FOREST EXPERIMENT STATION
FOR THE YEARS 1947 AND 1948

THE REGIONAL SITUATION

In the Southeast (the five coastal states Virginia to Florida, inclusive) as elsewhere, high prices and strong demand continued to characterize the market for forest products of all kinds throughout most of the 1947-1948 period. Pulpwood production in 1947 was 12 percent greater than in 1945, reflecting an increase in capacity at new and existing mills. Lumber production increased over 1945 by about 18 percent. Producing sawmills totalled nearly 13,000, nearly a 60 percent increase over 1942. Forest industry expansion continued, one indication being an increasing demand for resource information as obtained by the Forest Survey. The Station now handles several hundred special requests per year. Though some price adjustment and a more exacting market were clearly indicated at the close of 1948, the probable demand for wood over the next decade or so, both foreign and domestic, promised to remain high

This encouraging industrial situation was reflected directly in greater interest in forestry possibilities. Large-scale private acquisition continued. By the spring of 1948 the pulp companies alone owned 4 6 million acres in the Southeast, only slightly less than the acreage in National Forests. The number of technical foresters employed in the region increased, though the shortage of technical man power, particularly in specialized fields, remained acute. Educational programs, often industry initiated and sponsored, were pushed vigorously; for example, the "Keep . . . Green" programs organized for better fire protection, and the conservation work of the Southern Pulpwood Conservation and Southern Pine Associations.

GENERALIZED TYPE MAP OF THE TERRITORY OF THE SOUTHEASTERN FOREST EXPERIMENT STATION



EXPERIMENTAL FORESTS, RANGES, AND FIELD LABORATORIES

1. BENT CREEK
2. LEE
3. BIGWOODS
4. SANTEE
5. COWEETA
6. FRYING PAN
7. CALHOUN
8. WALTON
9. ALAPAHA
10. HITCHITI
11. TOCCOA
12. OLUSTEE
13. GAINESVILLE

Advice and assistance programs were greatly strengthened. These developments indicate the widespread interest in forestry throughout the South and an encouraging appreciation on the part of landowners and industrialists of the possibilities of growing timber as a business enterprise.

Such interest has already resulted in the South in better fire protection, a greatly expanded forest planting program, better cutting practices (the best in the Nation on both public and private lands), and in an ameliorating situation as shown by the fact that total timber growth in the region now approximates total timber drain (use plus waste).

This is all very encouraging and satisfying. Forestry in the South is an actuality on much land and for many owners, and a rising tide of public interest and better performance is obvious on every hand. Yet, a sensible and balanced appraisal leads inevitably to the conclusion that the total picture is far from satisfactory. The national reappraisal recently completed[1/] reports a situation in which "the Nation's saw-timber supply is declining and, of equal significance, its quality is deteriorating." These generalizations apply to the Southeast. Best estimates show saw timber declining at a rate approximating or exceeding one percent per year. The trees now being cut are inferior in quality and in size, in the Southeast about 20 percent smaller. Less desirable hardwoods occupy many former pine sites. Total growth (cubic feet in trees five inches and up) is in approximate balance with total drain (use plus waste) but at a very low and unsatisfactory level. Indeed, the national reappraisal cites the South as the region with poorest stocking; almost half (46 percent) of its forest lands poorly stocked to denuded. Fire protection also lags; in 1946 over half of southern timberlands received either poor fire protection or none. In the Southeast alone there are some 32 million acres of unprotected timberland.

Forest Survey of South Carolina Confirms National Trends

The reinventory of South Carolina just completed by the Forest Survey

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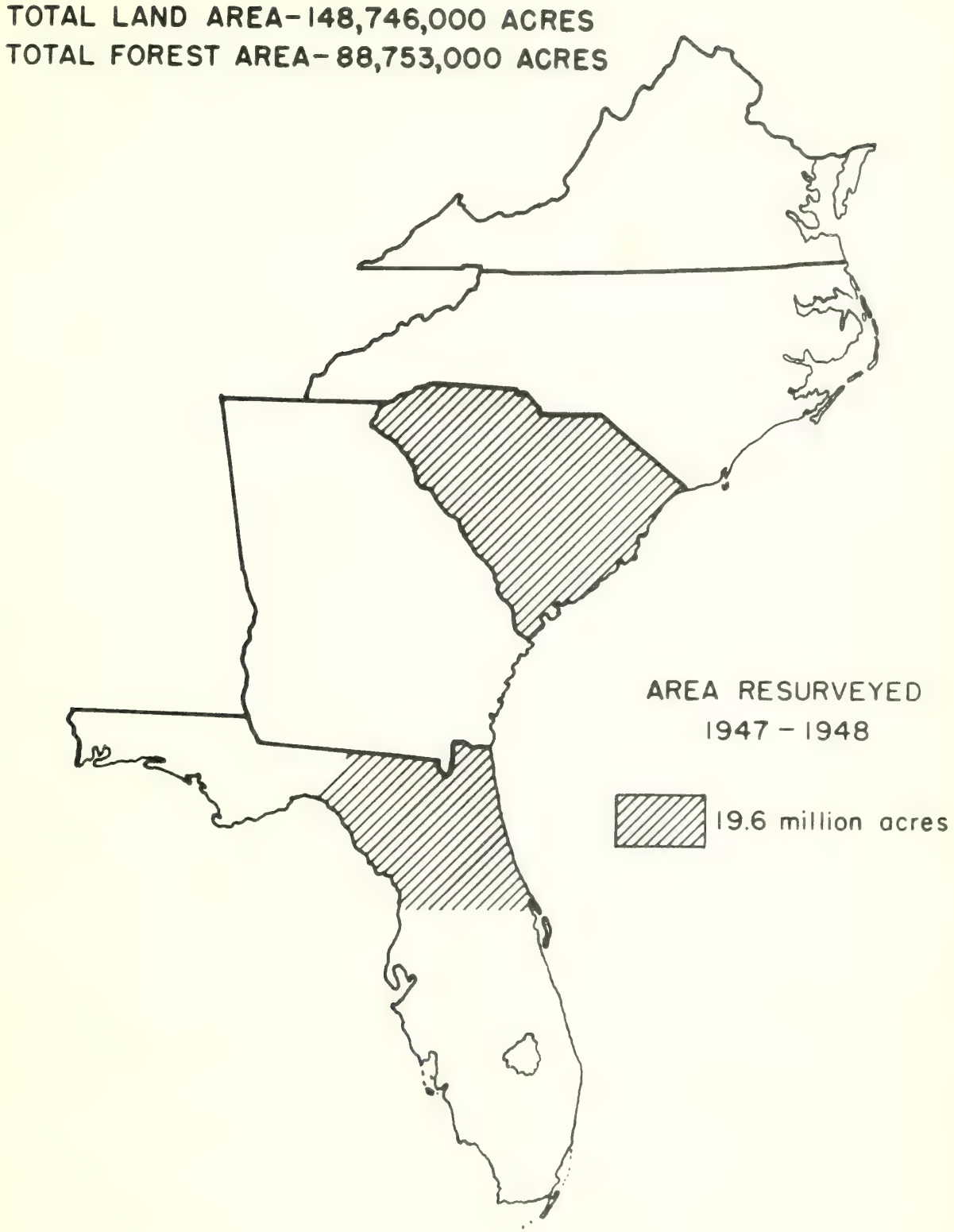
1/ Forests and national prosperity. A reappraisal of the forest situation in the United States. Forest Service, USDA Misc. Pub. No. 668. 1948.

unit of the Station confirms a number of these facts. South Carolina statistics, based on detailed field inventories in 1936 and 1947, respectively, show saw-timber stocks going down about one percent per year; total stand decreasing at about half this rate; an increasing area in hardwoods, 40 percent in 1947 as against 27 percent in 1936; while the volume of small, poor quality hardwoods has increased 17 percent as against 11 percent for pine. The growing backlog of volume in pole stands and the improved stocking in seedling and sapling stands resulting from better fire protection and improved cutting practices are encouraging. Yet, growth experts point out that the South now supplies nearly half of all the timber requirements of the Nation from some 28 percent of the Nation's saw timber, and predict that, if 1944 cut and forest practices are continued for 20 years, a decrease of one-third in the present low saw-timber volumes may be expected. It will take a really Herculean effort to reverse current trends. To quote again from the national reappraisal, "Whether we are in for a permanent timber shortage or whether we shall have plenty of timber depends largely on what we do now. We have enough forest land. The challenge is to grow the timber." These words are fully applicable to the Southeast.

Forest Research in General

What does all this mean to a research agency? A rapidly growing and more exacting clientele; increased emphasis on the need for satisfactory knowledge of how to grow timber as a crop, especially on private land for private profit. The reappraisal reports cite four main steps needed to ameliorate the unsatisfactory timber situation: (1) more protection, (2) more planting, (3) less waste, and (4) better forest practices. What has the Southeastern Forest Experiment Station been doing to help attain these objectives? This report is an attempt to present to our "stockholders," the foresters, forest landowners, and forest industrialists of the region, whose taxes support this Federal agency, the progress made in the biennial period 1947-1948. The report deals principally with accomplishments of a practical nature in the field of regional problems. Publication lists in the back of this booklet also cite papers giving details of long-term fundamental research.



Nearly 20 million of the 89 million acres of forest land in the Station territory were resurveyed in 1947-1948.

MORE PROTECTION

More and better protection from fire, insects, and disease is an essential for southern forests. As far as fire protection goes, the emphasis is laid on more protection. The reason for this is that, on the whole, the fire protection record is fairly good where organized fire protection has been available, while southern forests (with notable exceptions, as from the chestnut blight and currently the littleleaf disease) have not suffered from disease or insect damage as some northern or western forests.

Fire damage in the South, 1946-1947
(averages per million acres)

	Number fires	Area burned	Percent burned	Damage
	(Number)	(Acres)	(Percent)	(Dollars)
Protected	404	5,966	1.6	33,321
Unprotected	1,195	217,803	21.8	315,826

Percent of forested area burned, 1946-1947 averages

Region	Protected	Unprotected	Total forest land area
South	1.6	21.8	10.5
North Central	0.3	5.6	1.1
East	0.4	3.5	0.6
Pacific	0.3	-	0.3
Rocky Mountain	0.1	0.4	0.2

This is partial justification for the relatively low priority, except for littleleaf, being given protection problems in the Station's current program. Less than four percent of the Station's budget is being spent on such problems, exclusive of work by the cooperating Division of Forest Pathology. This Division's efforts are primarily devoted to study of littleleaf and mimosa wilt. No cooperative research in forest insects

is now under way at the Station except for a few long-time continuing studies requiring little total effort.

Nevertheless, though past research and experience have made a considerable body of knowledge available in the protection field, the situation is not a happy one. There seems little doubt, judging by past experience, that additional research could pay its way many times over, for example, by increasing the efficiency of present fire control procedures. In fire prevention, organized research has scarcely touched such important fields as public psychology and the reasons why 99 percent of fires are still man-caused. Littleleaf continues to cause damage estimated at five million dollars annually and may represent a soils-site problem of even wider scope and importance. The sums being spent for protection in the South, over 10 million dollars in 1949 for fire protection alone, indicate the substantial monetary gains that can be made by even small improvements in knowledge and in the practices and procedures which must be based on knowledge of how fire, insects, and forest diseases behave, and how they can be best controlled.

The following paragraphs give the highlights of research in forest protection fields during 1947-1948:

COMPREHENSIVE FIRE BULLETIN PREPARED

The knowledge gained by 11 years of experience and study on how to measure forest fire danger and apply this knowledge in fire control has now been summed up for practitioners in a comprehensive bulletin. This bulletin will be in print by late 1949 or early 1950.

The first six fire danger stations were established in August 1937 on the Cumberland, Monongahela, George Washington, and Jefferson National Forests. There are now 449 such stations in the East and South, used by states and federal agencies. These stations are an integral part of fire control.

Fire danger records during the Maine forest fires of 1947 indicate how widely fire weather can change and how important it is to know at all times just what these fluctuations really are. September 30 ordinarily

Determining fuel moisture by weighing calibrated wood sticks on a specially constructed scale at a forest fire danger station. Wind velocity is registered by the anemometer as an important fire danger factor.

marks the end of the fire season in southern Maine, and most fire danger stations, used for day-to-day appraisal of burning conditions, were closed at that time. This seemed a sensible course, for Class 2 fire danger prevailed at this time in 1947. The three operating stations, however, showed a gradual build-up from Class 2 to Class 4 by October 14, and after that the danger fluctuated between Class 4 and 5 (the highest class) for nearly three weeks. Whether or not a realization by fire protection forces of the seriousness of burning conditions would have lessened the losses suffered in Maine can never be known. However, it seems clear that the fire danger measurement system in use did furnish the necessary warning. The failure, if any, was in failing to heed this warning rather than in the system of measurement employed.

NEW FIRE DANGER METER WIDELY ADOPTED

A new fire danger meter developed at the Southeastern Station, has been adopted by all of the 193 fire danger stations from Virginia to the north and 25 of those in the Southeast. This meter, based on a 100-point

scale instead of five danger classes, permits a more precise and useful evaluation of fire danger. On the new scale the burning index is directly proportional to fire occurrence. The Fire Chief in Rhode Island, for instance, can plan now to handle an average of nine fires in the State when the burning index is 70, and only about four fires when it is 35. Such refinement was not possible heretofore.

NOW POSSIBLE TO MEASURE FIRE DANGER IN THE OPEN

Fire danger can now be measured at convenient open locations if forest conditions are not readily available. To do this, the fuel moisture sticks are shaded with wire screen, and a special meter, Type 5-0, corrects for increased wind velocity, variation in temperature, and other differences.

TOMORROW'S FIRE DANGER CAN NOW BE PREDICTED

The fire danger expected tomorrow can now be calculated in advance from the weather forecast and the danger meter. This represents a major advance in fire danger measurement. Under the system developed, in cooperation between the Station and the U. S. Weather Bureau, Asheville, North Carolina, definite forecasts of fuel moisture and wind velocity are made for the Bureau's Fire Weather District Eight, comprising principally the national and state fire control districts in the Southern Appalachian Region. This replaces a former system wherein broad ranges in humidity and wind velocity were predicted. During the fall fire season in 1948, on the Cumberland National Forests, the Weather Bureau predictions of fuel moisture deviated only an average of 2.7 percent from the actual, a satisfactory performance for the trial run. The dispatchers prefer the new system. Formerly, they had difficulty interpreting the relative-humidity-forecast in terms of fuel moisture. Now they can simply set their fire danger meter to the fuel moisture predicted. Thus they can plan with greater certainty for the organization needed tomorrow.

Healthy trees.

Trees attacked by littleleaf.

POSSIBLE CAUSE OF LITTLELEAF ISOLATED

During the past year the Division of Forest Pathology[2/] compiled definite evidence of a relationship between root mortality and littleleaf, the higher the root mortality the more severe the littleleaf. Shortleaf pines with littleleaf had almost twice as many dead roots as healthy shortleaf of the same age, and healthy older shortleaf had about three times as many dead roots as healthy older loblolly. This indicates that the lower incidence of littleleaf on loblolly is correlated with lower root mortality. The rise in proportion of roots dead in shortleaf, from 3 percent at 15 years to 18 percent at 30 years, explains why we note the onset of littleleaf at or above 20 years.

From the dead roots on littleleaf trees and from the soil about them, Dr. W. A. Campbell, of the Division of Forest Pathology, working in cooperation with the University of Georgia, has consistently isolated a moisture-loving root parasite, Phytopthora cinnamomi. He found it sparingly or not at all in stands of healthy shortleaf. This fungus causes root diseases of chestnut, beech, avocado, and other plants. It is particularly destructive in wet soils, a fact in agreement with the demonstrated high incidence of littleleaf on the more impermeable Piedmont soils.

It is possible, therefore, but not proven, that the direct agent causing littleleaf has now been discovered. The root systems of a large number of trees on different soils have been inoculated with this fungus to see whether littleleaf can be reproduced.

WILT-RESISTANT MIMOSAS DEVELOPED

During 1947-1948 the existence of wilt-resistant strains of mimosa was determined and confirmed. This isolation by selection of disease-immune strains of a tree species has seldom been accomplished in the United States. Selection for disease resistance may be the most effective way of coping with a number of highly communicable tree diseases in the forest, although this

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2/ Forest pathology studies are under the Division of Forest Pathology, Bureau of Plant Industry, Soils, & Agricultural Engineering, USDA.

requires a planting program.

Resistance tests and satisfactory methods of propagating resistant strains have now reached the point where we are ready to provide wilt-resistant mimosas with fine flower-coloring to the nursery trade.

SAPSTREAK DISEASE OF SUGAR MAPLE FAVORED BY PARTIAL CUTTING

This localized disease has caused heavy mortality of sugar maple on the Pisgah National Forest, particularly among the residual trees left after partial cutting. About 23 percent of such trees, 16 inches d.b.h. and up, have died over the past six years. The only present solution is to cut all merchantable residual sugar maples on cutover areas and all merchantable sugar maples on future logging areas. Sapstreak is not known to occur outside the Pisgah.

NEEDLE FUNGI NOT THE CAUSE OF WHITE PINE NEEDLE BLIGHT

Evidence to date indicates that needle fungi are not the cause of needle blight on white pine. Root aphids are regarded as a possible source of this trouble and are being further investigated.

SUMAC WILT CAUSED BY FUSARIUM

A wilt disease of staghorn sumac (confined to this species) was proved to be caused by a new form of a well-known fungus, Fusarium oxysporum forma rhois.

INCREMENT BORINGS CAN CAUSE DEFECT

Increment borings were found to cause heavy staining of the wood for a distance of several feet from the holes in yellow-poplar and the northern hardwoods, sometimes accompanied by decay. All bored sugar maples developed

nectria cankers which resulted in additional defects, and many understory yellow-poplars also became cankered. Pitch soaking occurred in shortleaf pine for about a foot above or below the holes. White and scarlet oak and white pine showed very little defect from increment borings.

MORE PLANTING

Extensive planting is a reality in the South. Yet the reforestation of poorly stocked and denuded lands is a huge job that will take many years. State tree nurseries in the five Southeastern states produced over 50 million seedlings for distribution in 1948. Even so, supplies fell far short of demands. In many states the demands this year are double or treble what they were last year. Production goals for Southeastern state nurseries in 1949 total 98½ million seedlings, and even this will not satisfy requests.

Fortunately, when it comes to setting out these seedlings in southern forests, a solid body of information exists concerning the best species for different sites, methods of planting, chances of survival, costs, and dangers to avoid. This is partially because of excellent past research summed up in Minckler and Chapman's bulletin, "Tree Planting in the Central Piedmont and Southern Appalachian Regions," and Minckler's article, "Old Field Reforestation in the Great Appalachian Valley as Related to Some Ecological Factors," from ECOLOGICAL MONOGRAPHS, April 1946, and in publications by Wakely and others from both the Southern and Southeastern Forest Experiment Stations. As problems of actual planting per se seemed pretty well in hand, this Station has been devoting less than one percent of its work to this field.

But now that seedling production has jumped to such full-scale proportions, it seems logical that research could pay its way improving the techniques and procedures of a broad action program. In their expanded seedling production the nurseries are particularly troubled by diseases which sometimes kill or render unsuitable for planting millions of the seedlings in a few weeks.

Results from Station planting work currently under way include:

HOW TO REPLACE LAUREL SLICKS WITH WHITE PINE

Laurel "slicks," extensive, almost treeless areas in the mountain region where dense laurel and rhododendron brush often occupies productive land and effectively prevents or retards tree regeneration, can be replaced with valuable, fast-growing white pine. Large-scale plantings now confirm earlier studies showing that white pine seedlings, planted in cleared lanes (three-fourths as wide as the laurel is high) will overtop the laurel before the lanes close, and thus reforest the land. Potential returns from the pine should more than pay the cost. This tough problem seems licked as far as technical knowledge is concerned. Fifty thousand white pine seedlings have been planted in laurel thickets of the Pisgah National Forest in the first large-scale application of the method. The lanes are skidroads of a sale area.

METHODS OF PLANTING REDCEDAR TESTED

Redcedar has always been a difficult species to plant on the heavy clay soils of the Piedmont region. However, in some places it grows very well after it becomes established, and produces valuable Christmas trees, posts, poles, and small sawlogs. A recent test of seven different planting methods shows that there was no significant difference in average survival or height growth after four seasons. However, none of the methods resulted in a satisfactorily high rate of survival. The following tabulation summarizes the results of the recent tests.

Planting method	Average survival (Percent)	Mean height (Feet)
1. Center hole, 12"-14" scalp	37	1.5
2. Center hole, 24" scalp	41	1.5
3. Mattock slit, 12"-14" scalp	25	1.5
4. Bar slit, no scalp	28	2.1
5. Bar slit in 4"-deep contour furrows	29	1.7
6. Same as 5 with limestone added	27	2.0
7. Center hole, 24" scalp, limestone added	29	1.8

LESS WASTE[3/]

Far too little of the raw materials of our forests appear in the final wood product. Waste in utilizing wood begins in the logging operation and continues at every processing step, including the final sanding of a dining room table. Examples of waste are: cull trees, limbs and other nonmerchantable wood left in the forest; the portion of logs, bolts, lumber, and other raw wood not appearing in the products of manufacture; and losses of wood or degrade caused by mismanufacture or improper processing practices such as miscut lumber and seasoning losses. One of the Station's objectives is to reduce this waste.

AUTOMATIC WOOD-BURNING FURNACE DEVELOPED FOR DRYING TOBACCO

This Station has developed a thermostatically controlled, inexpensive, conveniently operated wood-burning furnace for curing tobacco by working in cooperation with Forest Products Laboratory, the North Carolina Agricultural Experiment Stations, and the Bureau of Plant Industry, Soils, and Agricultural Engineering. Farmers object to staying up all night during the busy tobacco-curing season to stoke old-style wood-burners. For that reason, many tobacco growers are installing coal and oil-burning furnaces. But the use of wood as fuel for tobacco curing is an important outlet for little-used and low-grade hardwood and pine thinnings. The new wood-burning furnace, which holds the required temperature overnight and uses less fuel, should be ready for tobacco farmers by the 1950 curing season. A furnace that burns sawdust has also been tested and found satisfactory.

3/ Most Federal research in waste reduction and similar utilization problems is carried out at the Forest Products Laboratory. The Station's effort is confined to a small Forest Utilization Service, which provides technical liaison between the Laboratory, the Station, the Regions, and wood users and processors.

IMPROVED SEASONING PRACTICES REDUCE WASTE

Because kiln-drying waste at furniture plants amounts to millions of board feet annually, kiln-drying courses were organized in cooperation with Forest Products Laboratory and the Southern Furniture Manufacturers Association to improve seasoning practices. A Wood Seasoning Conference was also arranged. Both were successful, as indicated by the increased interest of manufacturers in reducing seasoning losses and by the numerous requests for the "Proceedings" of the Conference.

EXPANSION OF SMALL RURAL FOREST INDUSTRIES ENCOURAGED

To aid in the better utilization of timber, the Station prepared a bulletin on "Opportunities in Rural Industries - Wood," in cooperation with the North Carolina Department of Conservation and Development, describing the opportunities for small forest industries in North Carolina and giving special consideration to ample permanent timber supplies.

Bundles of fence posts ready to be dipped into a vat of hot creosote at a typical small Georgia plant for preservative treatment.

SURVEY GUIDES INDUSTRIAL NEEDS AND PRACTICES

Surveys, in cooperation with Forest Products Laboratory, were completed of the needs and practices in the Southeast of the softwood distillation, veneer and plywood, pulp and paper, fruit and vegetable-container, and dimension stock industries, as well as finishing practices at furniture plants. These serve not only to furnish on-the-spot advice and guidance for some plants, but, more important, to give the Laboratory a better view of Southeastern industrial wood utilization and processing problems as a guide to proper orientation of the Laboratory's program.

BETTER FOREST PRACTICES

About four-fifths of the Station's current effort is directed toward the development of better forest practices, particularly better cutting practices, rated the most important step needed to reverse the downward trend of forest growing stock. This is especially important on lands in farm or other small private ownership. Results from 1947-1948 activities include:

GOOD FARM WOODLAND MANAGEMENT PAYS

Experimental cuttings on farm woodlands are showing how well-integrated forest management can be practiced on small holdings at a profit. Off-season work by farmers with normal farm equipment netted about $1.00 per hour in wages in two studies over a four- to five-year period. This was labor profit only. At Bent Creek the gross return per hour varied from $0.81 for fuel wood to $2.50 for black locust posts. This illustrates the possibility of higher returns from good selective management.

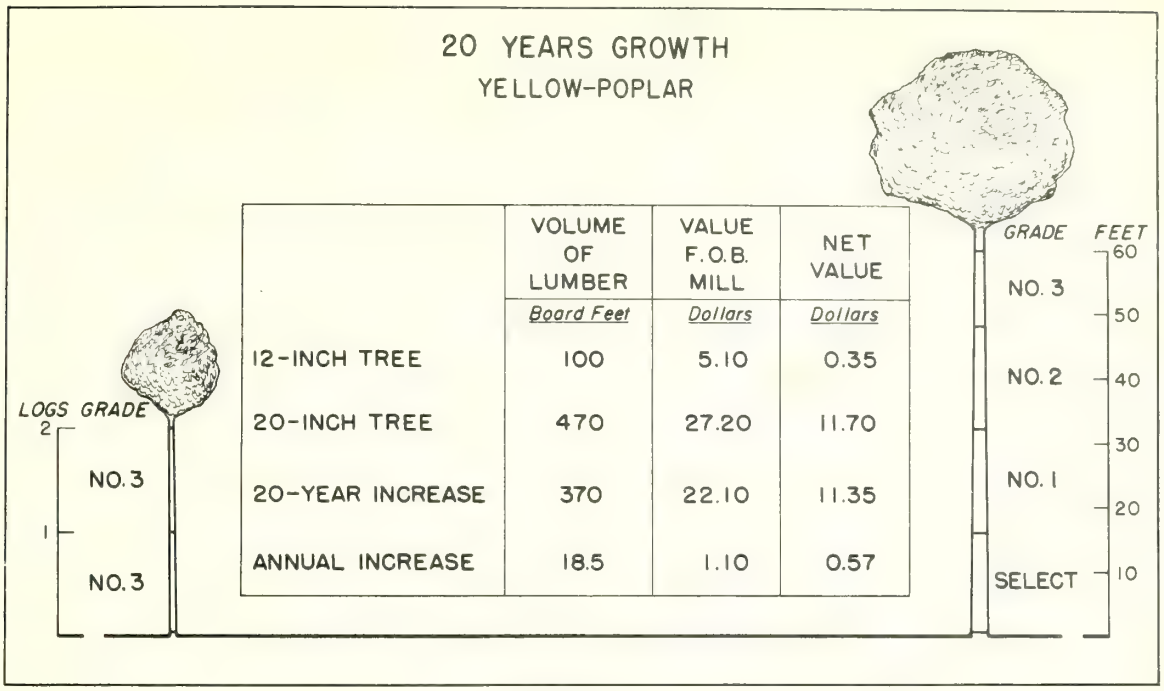
Product	Gross return per hour
Saw timber	$1.95
Pine pulpwood	.90
Fuel wood	.81
Black locust posts	2.50
Dogwood bolts	1.52
Tanbark	.97
Acidwood	.96

All profits were from improvement cuttings in understocked rundown woodland areas. All operations left the woodland in more productive condition.

WHAT TREES SHOULD I CUT?

Commercial size (pilot-plant) cuttings on experimental forests are now beginning to yield information on this key question, not only on silvicultural aspects, about which considerable is already known, but also on financial aspects, about which very little is known. Which trees, by species and size, will yield the highest return? Will it pay to hold trees longer for quality and value increment? What does it cost to harvest and manufacture lumber and other forest products from trees of various species and size?

The answers to such questions, as they relate to lumber, are becoming available from over 1,000 acres of commercial-sized experimental cuttings. We already know how to rank common hardwood species according to their lumber production value. For example, good trees 18 inches in diameter rank in decreasing value by species as follows: sweet birch, sugar maple, white ash, basswood, yellow-poplar, white oak, chestnut oak, red maple, northern red oak, and black and scarlet oak. As to marketing size, we know that only northern red oak and yellow-poplar can be expected to return three percent or more of compound interest if held until 24 inches d.b.h. Sweet birch and sugar maple will not justify holding beyond 20 inches d.b.h. The other hardwoods studied reach economic maturity at 22 inches d.b.h. Tables are available that show the lumber grade recovery by tree quality classes for important hardwoods and pine. For example, at the Bent Creek Experimental



	VOLUME OF LUMBER	VALUE F.O.B. MILL	NET VALUE
	Board Feet	*Dollars*	*Dollars*
12-INCH TREE	100	5.10	0.35
20-INCH TREE	470	27.20	11.70
20-YEAR INCREASE	370	22.10	11.35
ANNUAL INCREASE	18.5	1.10	0.57

The above tree increased in volume nearly 5 times during 20 years' growth. During the same period it increased more than 28 times in net value. Both tree values are based on 1948 prices.

Forest, studies show that the yields for a two-log, 30-inch northern red oak are:

Lumber grade	Tree grade A (%)	B (%)	C (%)
FAS	29	17	4
Sap & select	11	8	3
1 Com.	30	32	34
2 Com.	17	25	37
3 A	8	11	16
3 B	5	7	6

On the Santee Experimental Forest four tree grades have been devised that show substantial differences in average value of various kinds of standing trees. For example, the cash value of one thousand board feet of lumber cut from 20-inch, 3-log loblolly pines is:

Lumber grade	Tree grade			
	A	B	C	D
B & Better at $170 per M	$14.08	$ 9.86	$ 4.90	$ 2.45
C at $160 per M	8.64	8.64	5.18	1.73
No. 1 Com. at $85 per M	7.34	6.72	5.81	3.98
No. 2 Com. at $80 per M	9.79	12.64	17.86	22.18
No. 3 Com. at $50 per M	.72	.55	.36	.54
Total	$40.57	$38.41	$34.11	$30.88

Obviously, such figures when supplemented by those for other products will be very useful to the forest manager in reaching decisions as to when to cut and what to cut under selection or other stand improvement or partial cutting operations.

POOR MARKETING PROCEDURES ARE A BAR TO BETTER FOREST PRACTICE

A case study of farm timber marketing procedures made during 1948 for Monroe County, Georgia, shows that nearly two-thirds of the farmers selling saw timber in this typical forested county were unable to evaluate their timber properly for immediate sale. These men received an average of $8.25 per thousand, while those who had accurately appraised their timber averaged $11.90. Many farmers were unaware of the annual growth and income their stands could produce if placed under adequate management. For example, of 79 sellers of farm stumpage only 46 percent intended to operate their stands on a permanent basis and had established regular cutting cycles. The remainder either had no plans at all or had put no plan into operation. This is a clear-cut indication of the need for a greatly expanded educational and assistance program, long recognized in forestry circles.

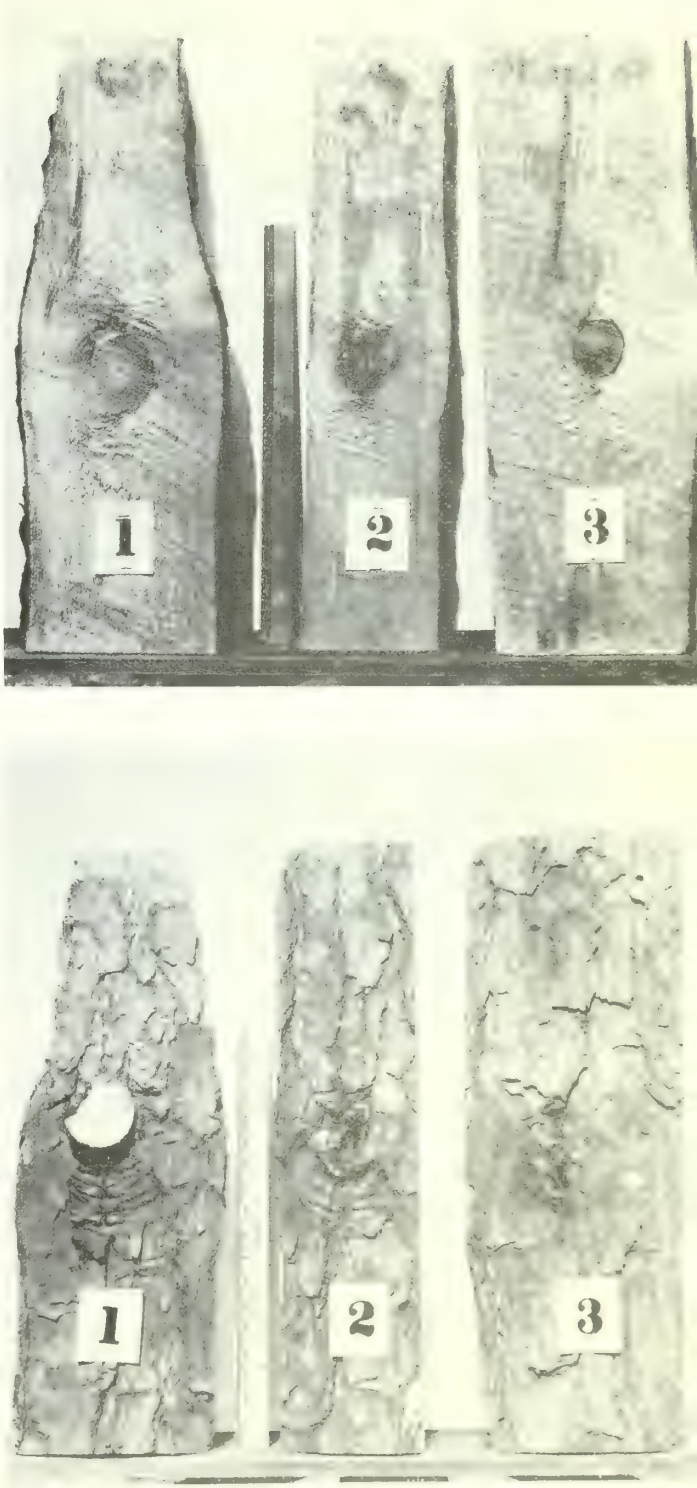
STAND IMPROVEMENT

Another substantial research contribution during the 1947-1948 period was the preparation of a handbook outlining timber stand improvement methods for the Appalachian and surrounding Piedmont regions. This was a joint contribution from the Station (Forest Management) and from

the Division of Forest Pathology (BPISAE). The bulletin will outline the best methods for improving hardwood, pine hardwood, pine, and spruce fir forests. Recommended treatments for young, intermediate, and old-growth stands are described for each major type. The understocked and run-down condition of mountain and Piedmont forests has already been mentioned, and this bulletin (which will be printed in 1949) should be of real help in furnishing foresters and operators with sound technical knowledge on which to base such operations.

HOW TO CONTROL UNDESIRABLE HARDWOODS

Studies at the Santee and Bigwoods Experimental Forests and elsewhere show that undesirable low-value hardwoods encroaching on loblolly pine sites can be controlled by a variety of methods varying widely in effectiveness and cost. The importance of this work is indicated by the fact that the ten million acres of loblolly pine in the Carolina and Virginia Coastal Plain is one of the most productive forest types. Hardwoods--in many cases of less desirable and slower growing species--are encroaching



Outside and inside of slabs showing principal types of knot indicators recognized in the Santee Tree Grading System: (1) branch, (2) open knot, (3) overgrown knot. All are in the two- to four-inch size class.

on about half of this area. Possible methods of control include prescribed burning, chemical control, and mechanical control (disking and bulldozing), as well as the time-honored methods of cutting and girdling.

An urgent forest management problem is to find efficient methods of regenerating pine in dense understory hardwoods such as this.

Prescribed Burning

If the hardwoods are small, prescribed burning looks like a cheap, effective tool. Fire can be used safely by skilled men to kill hardwoods up to 1.5 inches d.b.h. It will serve to keep hardwoods small and within controllable size if used occasionally during the life of the stand and at the time of harvest cut.

Chemicals

The new silvicides, such as 2,4-D and 2,4,5-T, used as foliar sprays are very effective with many species. They have the advantage of

killing many hardwood root stocks, thus permanently reducing the number of competing hardwood stems. Used in conjunction with fire (to knock hardwoods back to small size, for it is not practical to spray vegetation that is more than four to five feet tall), they offer great promise. However, they are expensive; at present, costs are about two to three dollars per acre for chemicals alone. Several facts stand out regarding the use of the salts of 2,4-D:

1. Complete foliar sprays, used with a wetting agent, will kill most woody shrubs and trees and their root systems.

2. Some species, such as myrtle, are highly resistant to 2,4-D.

3. Better results with sprays are obtained in August as compared to June or October.

4. It is not practical to spray vegetation taller than four or five feet, i.e., hardwood sprouts over one to two years of age.

Larger hardwoods (three inches in diameter and up) can be successfully controlled with Ammate (ammonium sulfamate) when the dry chemical is placed in hacks or cups at the base of the trees. A recent test at the Bigwoods Experimental Forest near Franklin, Virginia, shows the following production per man hour in poisoning with Ammate:

Crew organization	Cups chopped (Number)	Total trees (Number)	Average d.b.h. (Inches)
1 man chopping and poisoning	102	35	7.6
1 man chopping, 1 poisoning	84	31	7.3
2 men chopping, 1 poisoning	108	36	8.0
3 men chopping, 1 poisoning	92	35	7.3

This is cheaper than girdling or felling.

Mechanical Control

Breaking up and uprooting hardwood brush by bulldozing or disking is another possibility. A satisfactory job of disking was done recently on the Bigwoods Experimental Forest for about $4.85 per acre, using an Athens 6-disk, heavy duty, fire maintenance plow. Bulldozing has been extensively tried in Virginia on lands of the Chesapeake Corporation.

It is particularly effective where larger hardwoods have captured a pine site. Like fire and chemical sprays, the mechanical methods do not spare desirable pine regeneration; they merely prepare for pine regeneration, giving it an equal start with hardwood sprouts.

Girdling or Felling

The release of young pines by cutting or girdling overtopping or competing hardwoods is, of course, an additional possibility. The effectiveness of several types of release cutting is being studied. One possible serious effect of release was the sharp increase in tip moth damage. Forty-five percent of all study trees were attacked the first year of the study. The trees that had been completely overtopped were hit especially hard. The percentage of loblolly pines damaged by tip moth is as follows:

Class of trees at beginning of study	Unreleased trees (Percent)	Released trees (Percent)
More than 1/3 of crown free	25	30
Leader only in clear	36	48
Completely overtopped	45	60

Work Needed

It is evident that further study of hardwood control is needed before a completely sound program can be recommended for the many types of hardwood control problems that exist. Some of the aspects needing further study are: What response do understory hardwoods show when pine stands are thinned? What are the sprouting characteristics of different species? How effective are esters of 2,4-D and newer chemicals such as 2,4,5-T? How fast do hardwoods resprout after mechanical control? Then there is the all-important problem of soil-site classification; we must be able to judge the relative value of sites for pine versus hardwoods before a sound program of hardwood control can be designed. We need to know whether repeated fires damage loblolly pine sites.

Fire Behavior Studied

Another important aspect of hardwood control is being attacked through studies of fire behavior, with special attention to fire intensity. Such information is of particular importance in the South and Southeast, where the increasing use of prescribed fire for hazard reduction and hardwood control makes it essential to know just how a fire will burn under various conditions, and particularly how hot it will burn, and what damage it may do. Preliminary studies, for example, indicate that the scorch line in the live crowns of pine trees may be ten times as high on a bright, sunny day as on a bleak, cloudy day, other factors being equal. These variations can obviously be of extreme importance. We know, for example, that some two-thirds of slash pine saplings up to two inches d.b.h. will die if the whole crown is scorched and 40 percent of the needles burned off, but that very few of the trees will die if none of the foliage is consumed and the crowns scorched less than 70 percent. The problem is extremely complicated by character and condition of vegetation, weather, fuels, and so on. Results are sometimes unpredictable on the basis of present knowledge--as is shown by test fires on the Francis Marion National Forest, where, in the important zone close to the ground, backfires were some 25 percent hotter than headfires. In prescribed burning where it is desired to minimize damage to reproduction under 18 inches in height, headfires may sometimes prove more economical and effective than the backfires now so commonly used. If forest managers are to use fire and control it properly, we must know more about its behavior under controllable conditions. Experimental work now under way at the Southeastern Station is aimed at getting the facts and principles underlying fire behavior as an aid to improved forest practice.

CAN PINE BE MANAGED FOR PULPWOOD?

"How can I manage my loblolly pine forest to produce the greatest volume of pulpwood?" This is a question frequently asked by landowners in the Coastal Plain who are interested in short rotations and early returns on their growing stock capital. We know from past work that the average

annual growth of loblolly pine on fair sites maximizes at about 30 to 35 years of age. Short rotations are indicated when the intent of management is to produce high volume rather than quality timber. Unfortunately, loblolly pine seed trees of this age, grown in fully stocked stands, will not, after the rest of the stand is cut, produce enough seed to seed in the area quickly to a second crop. The years of delay required for these young trees to attain seed production permit the establishment of competing hardwoods that smother out the more desirable pine reproduction. The Station is now testing three things that can possibly make management for pulpwood production feasible: First, methods of planting or direct seeding clear-cut areas. Second, treatment of potential seed trees before the final harvest cut, so that they will be in full seed production when the seed is needed. Third, studies of seedbed conditions so that satisfactory restocking can be obtained with minimum amounts of seed from young trees.

A seed-tree strip-cutting on a commercial-sized compartment in a loblolly pine forest of coastal Virginia.

Seed Production

Preharvest release, fertilization, and mechanical wounding are all being tested as seed production aids. Early results indicate the favorable effect of isolation on the seed production of mature trees. The seed strips on two compartments cut early in 1946 had one year to react to the more open environment before the cones formed which produced 1948 seed. The comparison with uncut compartments is revealing.

Sound seed production per acre as of December 1947 and December 1948

Compartment	Sound seed		1948 as percent of 1947
	1947	1948	
	(Thousands)	(Thousands)	(Percent)
Strip cut	59	48	81
Strip cut	57	52	91
Uncut	344	15	4
Uncut	230	10	4
Uncut	139	2	1

Although 1948 was a poor seed year in general on uncut compartments (an average of 3 percent of 1947), the strips on the cutover areas had nearly as good a year in 1948 (an average of 86 percent of 1947). Part of this good record in 1948 is due to the higher percentage of sound seed from the strips. Viability averaged 60 percent compared with 31 percent for seed from the uncut areas.

We are now working on methods of predicting seed crops. If reliable estimates can be made one year in advance of seed fall, particularly for cutover areas, landowners may be saved thousands of dollars by knowing how to time site-preparation measures and other treatments. The system will work like this: By sampling, the forester will determine the average number of green cones per tree. The number of sound seeds per cone produced when the cones ripen the following year will be equal to 37.21 plus 0.37 times the estimated number of cones on the tree.

Seedbed Preparation

It is well known that pine seeds germinate better on mineral soil than on leaf litter or pine straw. Recent pilot-plant treatments to remove or disturb litter by burning or scarification have yielded some useful information. At the Bent Creek Experimental Forest, the openings in a shortleaf pine-hardwood stand were scarified after logging by dragging a stump behind a small tractor. Total costs for machine, driver, and scout were $1.25 per acre. In midsummer following the treatment, there were 28,000 pine seedlings per acre on the scarified spots but only 6,000 on the untreated area. Subsequent mortality will eliminate many of both classes.

In the Coastal Plain loblolly pine type it was found that better seedling establishment and growth resulted on areas disturbed by tractor logging and prescribed burning than on areas where there was no disturbance. After a bumper seed year, seedling survival was as follows:

Surface condition	Seedling distribution	
	Per acre (Number)	Stocking 1/ (Percent)
Undisturbed	2,600	80
Some disturbance	8,796	100
Bare soil	12,107	100
Slash	1,062	56
Lightly burned	7,077	100
Moderately burned	5,882	94
Severely burned	8,364	100
Burned (wt. ave.)	6,927	98
Unburned (wt. ave.)	6,375	87

1/ If each milacre contains one or more seedlings, the tract is classed as fully stocked.

Stocking was poor in slash areas, better on undisturbed litter, but best on disturbed and burned surfaces.

In a greenhouse study it was also found that bare soil gives seed a better chance to absorb the moisture necessary for germination. The germination percents became progressively poorer from well-burned to

undisturbed litter surfaces for both pine and hardwood litter types. Blocks of soil moved intact into the greenhouse were used in the study.

Litter type	Surface condition		
	Undisturbed (Percent)	Burned (Percent)	Logged (Percent)
Pine	68	88	94
Hardwood	65	68	88

Forty-five percent of the seedlings died during the study, and of these 83 percent died because the roots failed to penetrate the soil. Establishment on exposed, heavy soil was poorer than on light, sandy soil. On one soil sample taken from a jammer set where logging machinery had compacted the soil, 100 percent of the seeds germinated, but 84 percent of the seedlings died because their roots could not penetrate the soil. Root growth was slower, too, on heavy soils as shown below:

Soil textural class	Depth of root penetration (millimeters)
Light sand	35
Medium loam	32
Heavy clay loam	22

Seedling height growth is superior on burned and disturbed surfaces for at least two years as shown by recent averages for loblolly pine.

Percent of two-year-old loblolly pine seedlings that exceed indicated heights

Surface soil condition	Best 20 percent (Inches)	Best 40 percent (Inches)	Best 60 percent (Inches)
Burned	28	19	14
Disturbed	16	11	9
Undisturbed	14	10	8
Slash piles	10	9	-

WATER QUALITY IMPAIRED BY LOGGING

Better cutting practices on industrial and municipal watersheds in the Southeast are essential if these areas are to continue to supply usable water at reasonable cost. Recent studies at the Coweeta Experimental Forest show that uncontrolled logging, following common logging practices in the Southern Appalachians, can seriously impair water quality by increasing stream turbidity. Turbidities as high as 3,500 parts per million (p.p.m.) were recorded from the logged area during storm periods. As the allowable turbidity from drinking water is 10 p.p.m. (otherwise an expensive filtration plant is required), the damage done by uncontrolled logging is obvious. Records from a logged area show average turbidities of 93.7 p.p.m. as against 4.3 p.p.m. from a comparable unlogged area.

It is believed, however, that stream sedimentation caused by logging can be reduced to an almost negligible amount by more efficient assess-road location and maintenance, together with improved skidding techniques. Investigations along this line have been started.

LOGGING EFFECTS NOT SERIOUS ON BACTERIAL CONCENTRATIONS

On the other hand, logging operations have not been found to increase bacterial concentrations seriously. Comparisons of stream water from several experimental watersheds at Coweeta are tabulated below:

Source of water	Total bacteria count per milliliter (standard agar test)
Undisturbed forest, Watershed No. 34	13
Undisturbed forest, Watershed No. 16	19
Logged area, Watershed No. 10	110
Cultivated area, Watershed No. 3	348

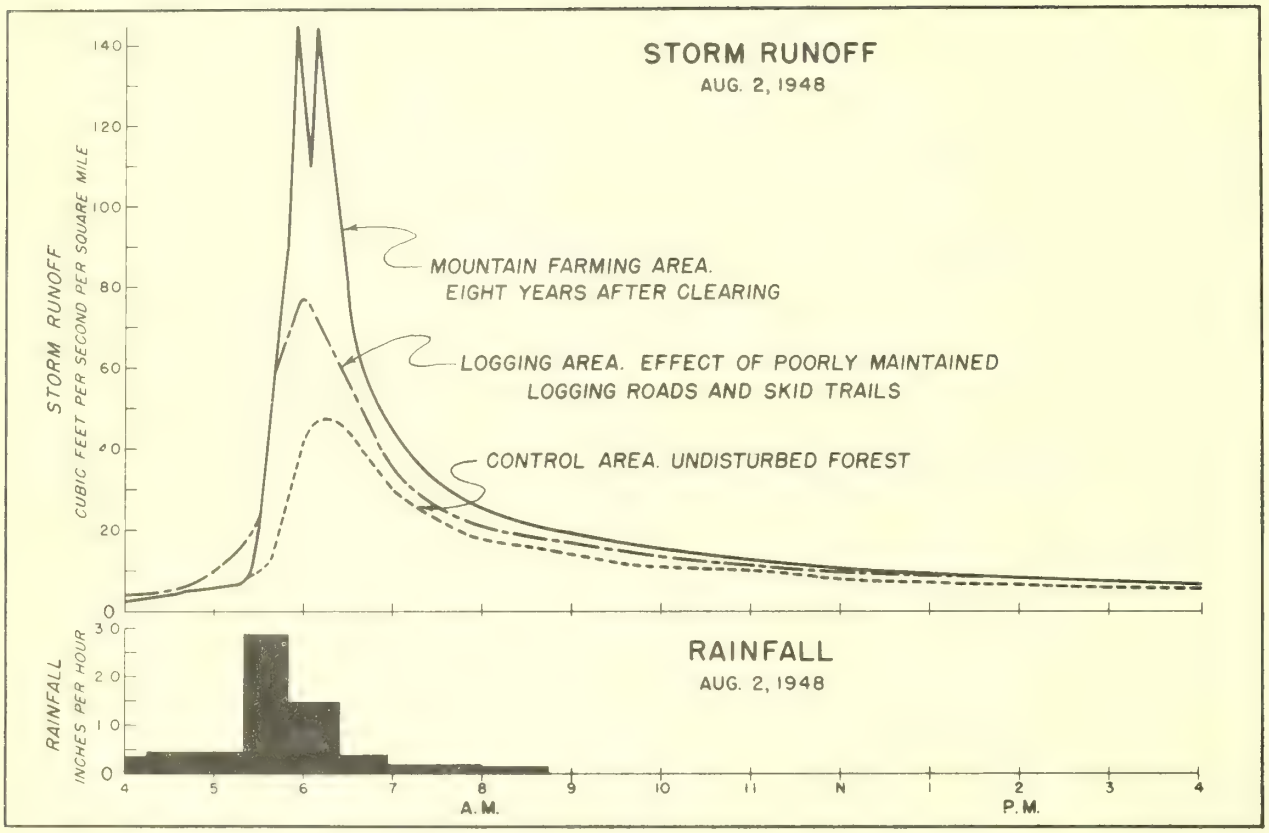
It will be seen that there has been an increase in the number of bacteria from both the logged area and from the cultivated watershed. As

the total bacteria count increases, the number of pathogenic bacteria increases also. Nevertheless, the actual bacteria counts shown above are still low enough to be taken care of by routine disinfection treatments. In fact, with present-day improvements in disinfection treatment, including breakpoint chlorination and the use of chlorine compounds such as chloramines, chlorine dioxide, etc., it is probable that increases in the bacterial concentration brought about by limited land-use practices, such as taking out wood products, are not likely to change the bacterial concentration of the stream beyond a point easily controlled by disinfection. As disinfection is a legal requirement on watersheds supplying public needs even if such watersheds are closed to all use, no additional expense will be required. This clarifies a controversial point that has restricted multiple use on important watersheds.

IMPROVED TECHNIQUES AID WATERSHED RESEARCH

The bulk of work in forest influence (watershed) studies continues to go into fundamental hydrologic research in forest-streamflow relations. The practical value of this work is best demonstrated by the increasing number of visitors, 419 in 1948 alone, chiefly forest technicians, who have visited the Coweeta area to learn first hand of recent advances in our knowledge of forest hydrology and the effects of various types of land use on mountain stream flow.

Much of this is poineer work and frequently even methods of measurement and comparison must be originated. During 1947-1948 several important advances were made in techniques. One was the development of an improved method for expressing water balance which permitted the elimination of the soil moisture variable. Another was the adoption of flow frequency discharge curves as a useful tool in comparing sets of stream-flow data. This method is particularly useful in comparing areas where there has been a change in the base yield of a stream as, for example, where a change in water yield has been brought about by the removal of vegetation. Such tools are obviously useful in a field where attention must be given to such problems as seasonal water storage and the response of streams to vegetative changes.



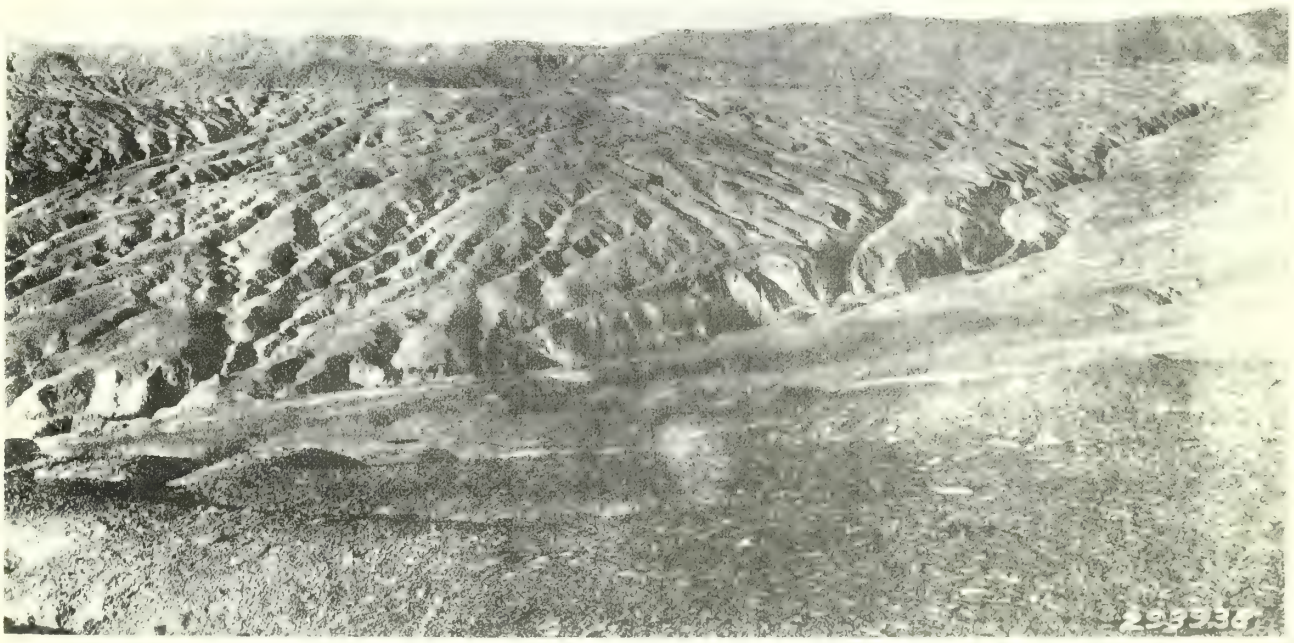
These streamflow records of August 2, 1948, show the differences in the storm runoff patterns from three experimental watersheds at the Coweeta Hydrologic Laboratory. All three watersheds were first studied together while still under natural undisturbed forest cover and during this period their stormflow records were almost identical. Consequently, the hydrograph for the forested watershed shown above represents the storm runoff that would have occurred from all three watersheds had not experimental treatments been put into effect.

In 1940, one of the watersheds was cleared and subsequently operated as a small mountain farm. Since then about one-third has been cultivated in corn, one-third used as pasture, and the remainder has grown up in sprouts and brush. The peak discharge for the storm shown above was at a rate of 141 c.s.m. (cubic feet per second per square mile). The maximum peak ever recorded for this watershed since cultivation has been 400 c.f.s. A bridge opening would have to be about 20 feet wide and 10 feet high to carry this amount of water for one square mile of watershed.

On the second watershed, logging was carried out at intervals from 1942 to 1948. During this time a logging road system of 2.3 miles was built into the watershed and numerous skid trails were developed. Local unsupervised logging practices were permitted and no efforts were made to control erosion and prevent concentration of water in the ruts. These haul roads and skid trails are directly responsible for the increased storm runoff. The storm record shows a peak discharge from the logged-over watershed of 77 c.s.m., as compared with 34 c.s.m. for the undisturbed, forested control watershed.

FORESTS AFFECT LOCAL CLIMATE

During 1948 the Station's findings on the effect of forest removal on local climate were published as Department of Agriculture Circular No. 774. This report covered four years of records taken in the Copper Basin of Tennessee, where smelter fume damage has produced a land area near Ducktown of about 11 square miles of denuded land completely bare of vegetation. Records were taken within this bare area, in the encircling belt of grassland, and in the adjacent forests. It was found that all of the



Eleven square miles of former hardwood forest denuded of vegetation by smelter fumes in the Copper Basin of Tennessee. Even moderate rains now produce flood conditions. Storm runoff has scoured many slopes to bare rock. Measurable climatic changes in this man-made desert have produced conditions less favorable than formerly to vegetation establishment and growth.

important elements of the local climate have been modified in some degree by forest removal. For example, mean summer maximum air temperatures were 2.1° - 3.5° F. higher in the bare zone than in the forest. Wind velocities were increased from 5 to 15 times. Consistent minor differences were found in the amount of rainfall that is now occurring in the completely denuded central portion of the Copper Basin, as compared with the grassland and forest immediately adjacent. For any six-month period throughout the entire four years of records there was less rainfall in the barren and eroding central portion of the Basin than in the surrounding vegetated areas. Results of the study explain the critical climatic difficulties associated with planting bare and eroding soil. The changes that have taken place are unfavorable in terms of plant-growth-site potentialities. They also emphasize the need for windbreaks and shade tree plantings to improve dwelling sites and habitations in the Southeastern states.

UNNATURAL WATERLOGGING RESULT OF SOIL ABUSE

Observations at the Calhoun Experimental Forest show an unnatural condition of waterlogging of depleted upland Piedmont soils throughout the winter months, believed due to improper land usage in the past. This results in disturbance of both normal porosity and the natural drainage system. On this 12,000-acre tract, more than three-fourths of the original topsoil has been removed on 72 percent of the area. During the winter, there is standing water close to the surface on many areas. In the summer we know these same soils are extremely hard and compact and subject to severe drought conditions between rainstorms.

The effect of the altered hydrologic processes is expressed in poor plant growth, severe soil erosion, stream flooding, and decreased ground water for pumping. The effect on tree growth is illustrated in the following table, taken from a recent cooperative study with the Soil Conservation Service:

Tree growth by land class

	Land class[1/] (Helena-Vance soil)				Land class[2/] (Cecil soil)	
	II	III	IV	VII	II	VII
Survival percent	77	61	67	40	65	34
Present trees per acre	700	550	610	360	590	310
Average diameter, in.	5.97	6.62	4.94	4.33	6.54	4.54
Total diameter per acre, in.	4,177	3,643	3,012	1,559	3,859	1,408
Basal area per acre, sq. ft.	142.4	136.5	90.1	49.9	142.1	42.0
Average height, feet	45	42	34	28	46	25
Volume, cu. ft. per acre	2,143	1,899	1,039	494	2,153	364
Volume, cords per acre	26.8	23.7	13.0	6.2	26.9	4.6
Growth rate, cds./ac./yr.	1.7	1.5	0.8	0.4	1.7	0.3
Present value at $2.00/cd.	53.60	47.40	26.00	12.20	53.80	9.20
Date diameter growth slowed	1940	1941	1941	1943	1941	1943

1/ The Class II land had 3 percent slope and only slight erosion; the Class III, 6 percent slope and moderate erosion; the Class IV, 12 percent slope and very severe erosion; and the Class VII, 17 percent slope and very severe erosion.

2/ The Class II land had a 2 percent slope and only slight erosion, and the Class VII, 12 percent slope and very severe erosion.

It was found that tree growth corresponds to the eight land capability classes developed by the Soil Conservation Service, in much the same manner as do cultivated crops and pastures. The major factors which distinguish one land class from another are kind of soil, steepness of slope, and degree of erosion damage. For example, the Cecil series of soils are recognized as a uniformly productive major soil series of the Piedmont. Nevertheless, it was found that the average growth of the pine stands varied from 0.26 cords per acre per year for a Cecil soil in need of extensive erosion control measures (capability class VII), up to 1.59 cords per acre per year for a Cecil soil where only minor erosion control measures are required (capability class II). For Vance and Helena soils the average growth in cords per acre per year ranged from 0.36 to 1.58 cords per acre per year, depending upon their capability classification.

These findings have a particularly important application at the present time in giving us an idea of the wide range of differences in quality and growth from existing old-field stands that have become established through

natural regeneration. These studies demonstrate the poor site quality inherent in severely eroded and exhausted soils. Since most of the old-field land becoming available for plantations in the Piedmont and southern mountains is in the low capability classes, further intensive research is required for finding out ways of establishing suitable vegetation for soil rehabilitation and water control.

MOUNTAIN GRAZING UNDESIRABLE

The often expressed belief that woodland grazing is undesirable, both from the standpoint of forest production and water yields, is given additional support by data recently compiled from Coweeta studies.4/ Although the cattle stocking was light, an average of 500 animal days each year for 9 years during May through August on a 145-acre tract, conspicious changes have taken place in the vegetation cover. Based on preliminary counts of plants between the height of 3.5 inches and 15 feet (a range that includes most of the plants that are eaten and browsed by cattle) the following table shows what has taken place in the more heavily grazed portions of the watershed. Data are given showing the change in the number of plant species and number of plants, expressed as a percent of the original number present before grazing.

Effect of grazing hardwood forest

	Number of species	Number of plants
	(Percent change from the original number present)	
Trees	-71	-61
Shrubs	-67	+220
Legumes	-100	-100
Grass	-67	-27
Other herbs	-86	-68
All vegetation	-78	-43

4/ Field examinations of vegetation in 1947 by Dr. Budd E. Smith, Professor of Botany, Wake Forest University; in 1940 by Dr. A. E. Radford, Curator of Herbarium, Department of Botany, University of North Carolina.

It is obvious from the above table that persistent and continuous grazing of mountain hardwoods will result in a progressive decrease in the amount of tree reproduction and in the amount of legumes, grasses and other herbaceous plants suitable for browse. This is accomplished by an increase in the number of persistent shrubs. The first tree species to disappear were yellow-poplar, black locust, and white oak. On the other hand, red maple--a less desirable timber species--is eaten very little by cattle. Over a period of decades this will be expected to result in understocked stands of reduced growth rate.

During 1948 a complete series of soil porosity tests were also run for the first time on all the 34 observation plots on the grazed watershed. The effect of the cattle trampling has been to alter the forest floor in terms of compaction and drying out of the surface soil layers for areas that have been heavily grazed. Large pore spaces in the first two inches of soil have been reduced 44 percent by volume. The soil layer 2 to 4 inches below the surface shows still greater compaction than does the surface two inches. Here the total amount of large pore spaces in the soil has been reduced 60 percent. When the soil is at field capacity, the top four inches of trampled soil will now store about 0.5 inch of water as compared with 1.2 inches before grazing. Permeability of the soil to water has been reduced ten times or more. Preliminary observations show that there has been a very marked change in the number of insects and other fauna in the soil. Although no specific measurements are available as yet, it is conceivable that all these changes are accompanied by deterioration in site due to reduced aeration and less biological activity in the soil.

SWITCH CANE RANGES HIGHLY PRODUCTIVE[5/]

The fact that beef cattle production can be highly profitable on the best switch cane ranges of the Coastal Plain has already been reported. Only

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5/ Forest grazing studies are in cooperation with State agencies (North Carolina and Georgia), the Bureau of Animal Industry, and the Bureau of Plant Industry, Soils, and Agricultural Engineering, USDA.

mineral supplements are needed to maintain breeding cows in a thrifty condition from May through January and to produce calves weighing 300 to 400 lbs. at weaning time in November During 1947, additional studies were summarized showing that on vigorous switch cane ranges the grazing season can be extended from January through April by feeding protein concentrates, and that this wintering on the range is far more economical than wintering in the feed lot

Highly productive switch cane range in Washington County, N. C. On a sustained-yield basis this range will support a cow and calf on 2.8 acres from May until December. This site was formerly a hardwood forest which has been completely destroyed by repeated fires following lumbering and drainage.

Another interesting new item from the North Carolina studies is that better switch cane ranges can be used in either partially or completely finishing cattle for the market. The native range, by supplying the roughage in the fattening ration, provides the equivalent of 10 lbs. of hay per steer daily, or about 1,500 lbs. during the finishing period.

MODERATE GRAZING PAYS

Recent work on the switch cane ranges has also produced preliminary figures on range carrying capacities. About three acres of the best switch cane range are needed per cow and calf over a seven-month season under continuous moderate grazing. This type of grazing gave approximately 90 percent of the gains obtained under heavy grazing, without appreciable deterioration in the switch cane stands.

The evidence indicates that a moderate rate of stocking which results in 60 to 70 percent utilization at the end of the season under continuous summer grazing, will satisfactorily maintain forage vigor and give greatest beef production over an extended period of time. Light grazing (30 percent utilization) gives slightly better calf gains but at the expense of efficient forage utilization and income per acre. Heavy grazing (90 percent utilization) gives highest returns per acre for a few years but calves gain less, cows lose considerable weight late in the season, and forage vigor and productivity decline rapidly. On the best switch cane ranges, 2.8 acres per cow and calf proved to be a moderate rate of stocking and produced about 120 pounds of beef per acre per year.

IMPROVED KNOWLEDGE OF SWITCH CANE

During 1947-1948 substantial advances were made in our knowledge of the way switch cane grows. This offers promise of increasing the efficiency of forage management studies and grazing practices. Pertinent facts are: Most foliage growth normally occurs before mid-July. Prompt regrowth follows defoliation early in the growing season (May), and complete defoliation once a year at this time does not reduce vigor appreciably. Total defoliation at the end of the active growth period (July) results in scant regrowth and a reduction in vigor and productivity. Total defoliation in the fall (September) causes the cane to break dormancy, which results in severe winter killing of the aerial stems and stimulation of new stem production the following year. Heavy defoliation during the dormant winter season is apparently not harmful. The burning of switch cane ranges reduces yields for three years.

Rhizomes and stems of switch cane serve as storage organs for large amounts of carbohydrate foods (starch and sugar) which are available to the plant for making vegetative growth. We have shown that the level of total food reserves fluctuates widely by seasons, being lowest in spring and highest in fall. It is likely that the levels of food reserves are also influenced by grazing and that they will reflect the effects of management systems at least a year before such effects can be detected by other plant responses or cattle performance. Chemists of the Bureau of Animal Industry, a cooperating agency, have tested a simplified procedure for determining total available carbohydrates and have found it useful for measuring food reserves of switch cane.

CALF CROPS ON WIREGRASS STILL LOW

Results summarized in 1948 show that starvation losses can be eliminated by feeding small amounts of high protein feed to supplement the native forage during the fall and winter. However, the higher level of supplement used, two pounds of cottonseed meal per head per day, did not appreciably increase calf production, which continues to be the major herd management problem. Calf crops have averaged around 50 percent, with weaning weights of about 275 pounds. The feasibility of improving calf production by supplementing the range in summer, as well as in fall and winter, with protein feed or improved pasture is being investigated.

WIREGRASS RANGES CAN BE IMPROVED

Preliminary tests of promising plants show that three grasses (Dallisgrass, common Bahiagrass, and carpetgrass) and three legumes (common lespedeza, Louisiana White Dutch clover, and big trefoil) are definitely useful for range improvement. The marked superiority of improved forage over native "wiregrass" species in protein and mineral content has been demonstrated by chemical analysis and by cattle preference.

Improved species can be successfully introduced merely by broadcasting the seed onto freshly burned range if competition from native grass is held

down by heavy grazing. Fertilization greatly benefits the introduced grasses, and is essential for satisfactory performance of the legumes on most piney woods soils. Fertilizing and burning both attract cattle to seeded areas and encourage the heavy grazing required in the absence of other cultural treatments.

Disking or chopping (with a brush cutter) facilitates the establishment of introduced species, and some such cultural practice is needed on brushy range. Chemical sprays are being investigated as an alternate method of killing brush in preparation for range seeding.

NAVAL STORES[6/]

Improved practices for naval stores operators are especially important not only in the interest of better forest production in general and closer integration of the production of naval stores with other forest crops, but also because of the highly competitive position of the gum naval stores industry and the need for greater efficiency if the industry is to survive in present form. Accordingly, emphasis is being placed on studies of greater efficiency and lowered operating costs. A three-point program is being followed to accomplish this objective: (1) study of new turpentine techniques aimed at efficiency of operation, (2) development of high-yielding naval stores pines which, if grown in plantations, could yield twice the present amount of gum per tree and thereby reduce unit production costs, and (3) improvement of the mechanical efficiency of turpentining equipment. The following results are currently reported:

Gum Flow Holds Up Well Under Acid Stimulation

When the use of chemicals as a gum-flow stimulant was first proposed, a very important consideration was the possible long-range effect on the trees.

6/ Mechanization and equipment project in cooperation with Engineering Experiment Station, University of Florida, Gainesville, Florida.

Only recently a five-year test has been completed of biweekly sulfuric acid treatment--the method now used most widely by the industry. Yields during the fifth year were still high when compared to those from weekly untreated deep chipping. After the five-year treatment period, all trees were chipped in the conventional manner for one season. The gum yields were comparable to yields from untreated trees receiving regular chipping for the six-year period. These essentially equivalent yields indicate the commercial feasibility of biweekly acid treatment for five years, and at least one more year of untreated chipping.

A similar long-period study with triweekly chipping and treating substantiates the results with biweekly treatment. The level of gum production is about the same the fifth as it was during the preceding years. However, total slash pine yields were 64 percent of regular weekly untreated chipping, while longleaf pine yields were 108 percent.

Gum yields of acid-treated slash and longleaf pine for a five-year period

SLASH PINE

Treatment	Yield per year in barrels per crop: 1943	1944	1945	1946	1947	Relative yields for a 5-year period
	Bbls.	Bbls.	Bbls.	Bbls.	Bbls	Percent
Weekly						
½ x ½, Untr.[1/]	203	226	258	292	298	100
Biweekly						
BC x 3/4, Acid[2/]	248	228	240	221	257	93.5
½ x 3/4, Acid	220	240	281	255	287	100.5
LONGLEAF PINE						
Weekly						
½ x ½, Untr.[1/]	145	115	126	127	131	100
Biweekly						
BC x 3/4, Acid[2/]	167	132	139	131	114	106.1
½ x 3/4, Acid	135	121	139	138	135	103.7

1/ Chipped ½-inch high and ½-inch deep; no acid applied.
2/ Bark-chipped 3/4-inch high; 40 percent sulfuric acid applied on slash and 60 percent on longleaf.

Use of Fifty Percent Acid Seems Feasible

Recommendations for use of acid in commercial practice have specified solutions at two concentrations: 40 percent for slash and 60 for longleaf. A single concentration would be decidedly advantageous, and tests with 50-percent acid have been under way for two years. In slash pine the use of 50-percent acid on a biweekly basis with 3/4-inch-high chipping raised yields to 154 percent of the controls (regular weekly chipping). In longleaf pine with biweekly chipping the yields were 151 percent of the controls with the same chipping height.

In pilot-plant tests on three commercial operations, slash pine yields with 50-percent acid and biweekly treatment averaged 213.0 barrels of gum per crop. The yield of untreated trees averaged 182.4 barrels of gum per crop from 29 streaks. Thus the yield for 14 treated streaks was about 17 percent higher than for 29 untreated streaks.

Commercial Tests Confirm High Yields With Acid Stimulation

Each year the Experiment Station, in cooperation with the Naval Stores Conservation Program, conducts a series of pilot-plant tests of chemical stimulation of gum flow, for the purpose of obtaining information on yields and costs of new turpentining methods under commercial operating conditions. In recent tests, five producers used triweekly bark chipping with 60-percent acid treatment on longleaf pine and four used biweekly treatment with 40-percent acid on slash pine.

In the tests with longleaf pine, an average yield of 1.4 barrels per streak per thousand trees was obtained. This is nearly three times the yield (0.49 barrels) per streak obtained from weekly untreated chip ping. Total yields per crop of 10,000 faces were 168 barrels from 12 treated streaks and 146.2 barrels from 30 untreated weekly streaks. The efficiency of triweekly treatments over weekly chipping is readily apparent in longleaf pine. This treatment is not recommended for slash pine.

With biweekly treatment of slash pine, yields of 1.03 barrels per streak per thousand were obtained as compared with 0.51 from weekly untreated

chipping. Total yields per crop of 10,000 faces were 175.4 barrels from 17 treated streaks, and 162.7 barrels from 32 untreated weekly streaks.

Yields from pilot-plant tests of chemical stimulation

Methods tested	Average number of streaks		Average yield of gum per face		Average yield of gum per crop		Average yield per streak per M. faces	
	Treated (Number)	Untreated (Number)	Treated (Lbs.)	Untreated (Lbs.)	Treated (Bbls.)	Untreated (Bbls.)	Treated (Bbls.)	Untreated (Bbls.)
LONGLEAF								
Triweekly chipping vs. weekly untreated	12	30	7.308	6.361	168.0	146.2	1.40	.49
SLASH								
Biweekly chipping vs. weekly untreated	17	32	7.630	7.077	175.4	162.7	1.03	.51

Costs for acid and spray guns were $67 per crop per season for the triweekly method and $77 for the biweekly method.

Plastic-type Spray Gun Invented

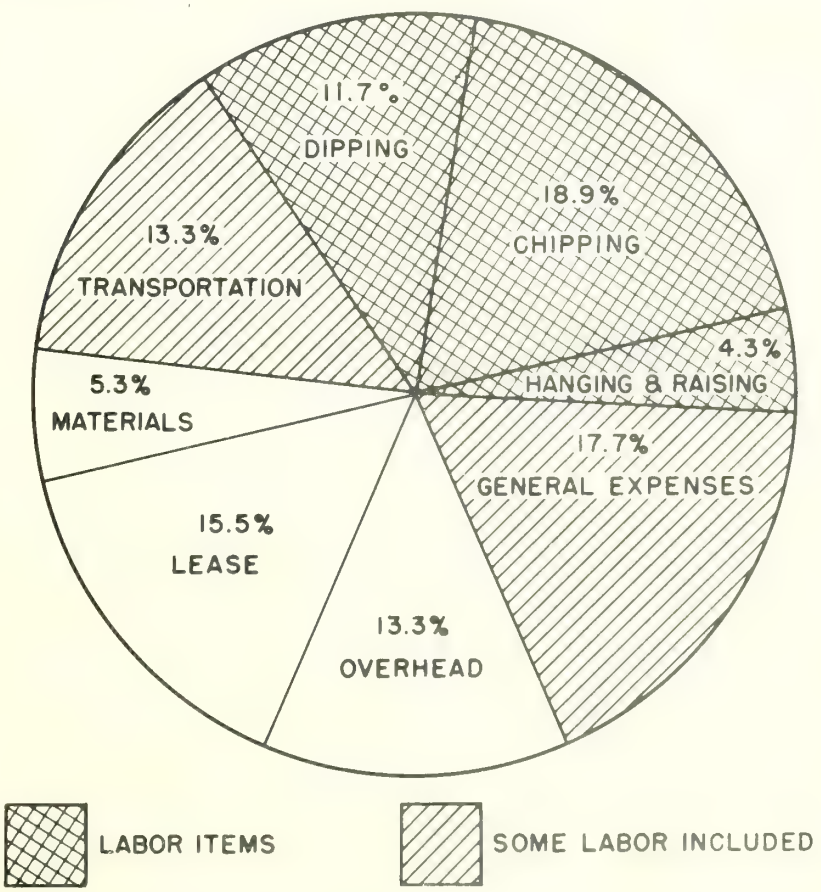
The new acid-proof, one-hand spray gun for chemical stimulation consists of a plastic nozzle and spout on a flexible plastic bottle. The

Applying acid from a squeeze-bottle to a bark-chipped streak

spray is ejected by squeezing the bottle. This spray gun is now sold by two manufacturers. It is estimated that between 5 and 10 percent of gum-producing trees are now treated with acid. Three years ago only a small fraction of one percent was treated. The satisfactory spray gun will be an important factor in further increasing this percentage.

Chipping and Dipping Offer Best Possibility for Mechanization

A survey of the time and cost of woods operations revealed that dipping and chipping present the best possibilities for mechanization. These two jobs require walking 3,000 miles per crop per season, a distance equal to a walk across the United States. Biweekly or triweekly chipping, made possible by acid stimulation, reduces this to 1,800 or 1,425 miles, respectively. A bulletin covering this research is being published by the University of Florida.



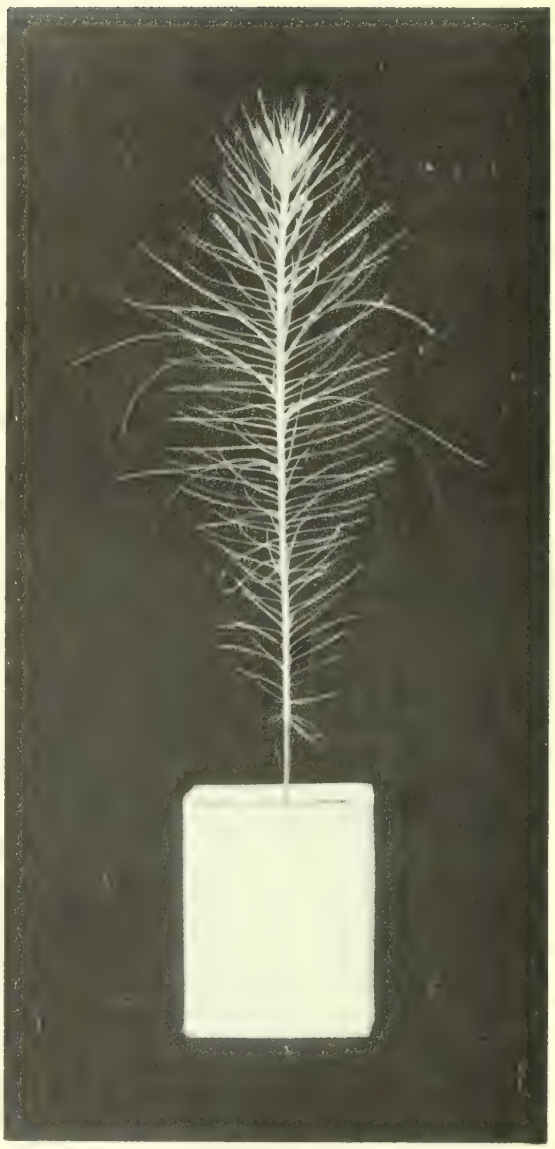
Approximate distribution of gum production costs for large operators, as of 1946.

Spiral-shaped Gutters Better With Bark Chipping

Spiral-shaped metal gutters were designed for bark chipping. These gutters fit the tree snugly. They can be used on wide faces where high gum yields are wanted for a few years; for example, on trees to be cut selectively. No gutter on the market today can be bent to the configuration of the tree at a wide face. Preliminary results are promising; so promising that one operator wanted to try 30,000 of them.

Hybrid Progeny Now Three Years Old

Seedlings in the progeny test of crosses between slash pines of different gum-yield capacity are now three years old. The average height of seedlings is 2.5 feet, with 95.5 percent survival. In addition to this plantation, there are on hand about 1,200 seed from controlled pollinations and these will be used for additional plantings.



Slash pine seedling from a cross between superior parents. The male parent yields 100 percent and the female parent 111 percent more gum than average trees.

Tests Continue On Types and Frequencies of Chipping

Many studies with different types of chipping, face widths, frequencies of chipping and treating

are providing important gum-yield data. Information from these studies include:

1. Over a three-year period, with weekly chipping and treatment, total yields from average-size trees having two acid-treated faces were 36 percent greater than yields from trees having one acid-treated face.

2. With weekly chipping and acid treatment, increasing the face width from one-third up to three-fourths of the circumference gave 29 percent more gum in the first year. Over a three-year period the yield advantage of the wider faces was 16 percent.

3. With biweekly and triweekly schedules of acid treatment for a one-year period, doubling the normal face width gave 46 percent more gum.

4. Fertilized trees chipped and treated weekly for a three-year period have consistently yielded at least 20 percent more gum than unfertilized trees. Successively greater yields have been obtained from all trees for the past three seasons.

Noncorrosive Stimulants Tested

A noncorrosive stimulant, or one producing continuous flow over a longer period, would of course have many advantages over sulfuric acid. Preliminary tests with punch wounds and commercial-size faces show that both sulfamic acid and the morpholine salt of the weed killer 2,4-D are effective gum-flow stimulants. Gum yields were comparable to those obtained with sulfuric acid but more killing occurred in the tissue above the face. Later tests show that excessive killing above faces treated with 2,4-D is a serious disadvantage to use of this chemical.

Exploratory work shows that water may be a factor contributing to crystallization in both longleaf and slash pine gum. Freshly collected gum containing resin acid crystals, made clear by heating and then stored in stoppered vials without water, is free of crystals after 10 weeks. Other gum in stoppered vials with water added on top started to crystallize within one week after preparation. If crystallization of gum at the exposed ends of resin ducts is a cause of gum-flow stoppage, then flow might be prolonged by treatment with dehydrating agents other than sulfuric acid.

Experiments are being continued on the fungus stimulation of gum flow through inoculation with Fusarium lateritium pini. Most of this work is being carried on by the Division of Forest Pathology, BPISAE. Treating virgin streaks prolonged the period of commercially adequate gum flow (normally one week) to an average of five weeks for slash pine and three weeks for longleaf. Later rechipping and retreatment of the same faces prolonged adequate flow for an average of three weeks for slash pine and two weeks for longleaf. Although experiments have been performed at different seasons and under a variety of conditions, no reason is known to account for the difference between the prolongation induced by the initial and by later treatments.

The fungus was used in a gum-flow experiment on 80 Virginia pines at Clemson, S. C. On this species, both at Clemson and on a few trees near Asheville, N. C., gum flow following a single chipping and inoculation was season-long. The weekly yield from Virginia pine is only about one-fifth to one-fourth that of a normal slash pine. The Clemson trees, occupying about one acre, yielded 110 pounds of gum in 32 weeks.

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STATION PAPER NO. 3

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MARKETING FARM TIMBER IN MONROE COUNTY, GEORGIA

by

Arthur S. Todd, Jr.

and

John J. Zirkle, Jr.

Division of Forest Economics

SOUTHEASTERN FOREST EXPERIMENT STATION

ASHEVILLE, NORTH CAROLINA

I. T. HAIG, DIRECTOR

FOREWORD

This bulletin presents the results of a localized investigation conducted as part of a regional study under Title II, Section 203, of the Research and Marketing Act. It is, in a sense, a progress report covering one phase of a broad field of research dealing with the markets and prices for farm forest products.

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MARKETING FARM TIMBER IN MONROE COUNTY, GEORGIA

INTRODUCTION

Since the early 1930's, the problems of farm management have received a great deal of attention from agronomists, soil scientists, engineers, and other specialists. As a consequence, long-established methods of planting and cultivating have been revised in the interests of soil conservation, and one-crop farming is being abandoned in favor of a diversity of crops.

No comparable progress has been made on the more purely economic problems of efficiently marketing farm products. However, the need for scientific study of the subject was recognized by the Congress in the Research and Marketing Act of 1946, which authorized research to determine the best and most efficient methods of "processing, preparation for market, packaging, handling, transporting, storing, distributing, and marketing agricultural products." In the Southeast, farm woodland products are among those selected for study.

The need for farm timber marketing research in this region is particularly pressing. More than 65 percent of the 895,000 farms in the five states of Florida, Georgia, North Carolina, South Carolina, and Virginia have woodland. In the aggregate, it amounts to 37,355,000 acres, or approximately 42 percent of the total forest land in the region, and accounts for an even larger proportion of the output of forest products. The lumber industry, which operates nearly 13,000 sawmills and is the largest consumer of farm timber, is becoming increasingly dependent on farms for its supply. The same is true of other industries such as veneer, and the rapid development of kraft paper manufacture has further expanded the markets for farm timber. As a result, timber must be considered an important farm crop. Yet, most sales are negotiated individually without the benefit of an organized market or an established price for the commodity sold. Since the average farmer sells forest products too infrequently to become an experienced trader, his transactions are not as profitable as they could and should be.

In undertaking farm timber marketing studies, the first step was to learn as much as possible about how farm timber is sold and to find out what factors tend to limit the farmers' returns from their timber. At the start, it was apparent that we had only the most general conception of the problems of marketing farm timber. It was also apparent that the methods of selling farm timber and the problems of selling it varied from place to place, just as the kinds of products derived from farm timber varied. What was needed was a detailed and localized investigation of current marketing procedures and problems.

Monroe County, Georgia, was the area selected for this investigation. It contains 399 square miles and lies in the southern part of the

Georgia piedmont near the geographical center of the State. Forsyth, the county seat, is about 70 miles from Atlanta and 20 miles from Macon on a line joining the two cities. Monroe County was chosen primarily because the timber, the prevailing methods of selling timber, and the products produced from timber were judged typical of a broad surrounding area--the so-called concentration yard belt. This belt, extending through the piedmont from Virginia to Mississippi, is characterized by thousands of small portable sawmills cutting low-grade pine construction lumber. The lumber is trucked to centrally-located planing mills or concentration yards where it is sorted, dressed, and otherwise prepared for market. There are four of these yards in Monroe County and several more close to its borders in adjacent counties.

Another reason for selecting Monroe County was the fact that the 1947 Census of Lumber Production reported 24 sawmills in operation. A large number of active mills indicated a correspondingly large volume of saw-timber sales to study. It was also known that at least three paper companies drew a portion of their 1947 wood requirements from the county. This seemed to assure the needed volume of pulpwood sales. Pine lumber and pulpwood are the chief forest products of the concentration yard belt.

FOREST PRODUCTS AND MARKETS

Wood holds an important place in the economy of Monroe County. Lumber production in 1947 was nearly 19,000,000 board feet and over 16,000 cords of pulpwood were shipped, not to mention such products as veneer logs and stave and handle bolts. Valuing the lumber conservatively at $40 per thousand board feet and the pulpwood at $12 per cord gives a total value of $950,000. This is more than the value of all manufactured items other than lumber combined; roughly it equals the value of crops, livestock, and dairy products sold; it approaches the dollar volume of retail sales. Farm woodlands are the chief source of the raw material which makes this production possible. During 1947, farmers made 82 sales of forest products totaling nearly $107,000. Included in the sales were 80 percent of the saw timber, nearly 50 percent of the veneer timber, and practically all the pulpwood timber sold that year.

The timber was sold in three ways: (1) as land and timber, (2) as logs or bolts, and (3) as stumpage. Sales of land and timber (1) were made chiefly to paper companies acquiring land for timber-growing purposes and to lumber companies who usually removed the merchantable saw timber and pulpwood and then resold the land to the paper companies. Since these land sales had little connection with the marketing of farm timber, they were not studied, and no information was obtained as to the amount of wood reaching the market from these sources. Of the second method, only two examples were found. These were both sales of pulpwood stacked in pens and sold for $1.05 per pen. Most important and of greatest volume were the sales of stumpage.

Volume and Value of Stumpage Sold

All together, there were 104 sales of standing timber in 1947. This includes sales by other timber owners, as well as those by farmers. Rather complete information was obtained on 99 of these by interviewing the sellers and buyers. Seventy-nine were of farm timber and 20 of timber held by timber dealers, banks, a power company, and other non-farm owners. The total price received by the 99 sellers was $129,000 with over $103,000 going to farm owners. By far the largest portion of the money was for saw timber, but pulpwood was the second most valuable farm timber product.

To avoid confusion, it should be pointed out that the amount of stumpage purchased in 1947 need not, and does not, equal the amount of wood cut in 1947. Part of the lumber, pulpwood, and other products cut in the spring of 1947 came from timber leases acquired in 1946 or earlier, part came from company-owned lands, and part came from tracts involving both land and timber. Unpredictable business trends also influenced stumpage purchases in 1947, for many operators were reluctant to purchase much timber ahead of their immediate needs.

Table 1.--Summary of stumpage sales, by product and class of seller[1/]

Product	Farmers		Timber dealers and others		Farm stumpage
	Sales	Volume	Sales	Volume	
	Number	M bd.ft.	Number	M bd.ft.	Percent
Saw timber	55	[2/]9,015	13	[2/]2,209	80
Veneer timber	4	[3/] 46	3	[3/] 49	48
Cooperage, handle, and ski timber	1	[3/] 4	2	[3/] 13	24
	Number	Cords	Number	Cords	Percent
Pulpwood	19	7,340	1	145	98
	Number	Pieces	Number	Pieces	Percent
Piling	0	0	1	22	0

1/ Excludes sales of land and timber, also four sales of farm stumpage for which data are lacking.

2/ M board feet of lumber sawed.

3/ M board feet, Doyle scale, of logs cut.

Location and Types of Stumpage Sales

Figure 1 shows that sales of standing timber were well distributed over the county. It also shows that sales by the boundary for a lump sum were more common than sales by the thousand board feet or by the cord. However, there were a number of examples of the latter type sale, most of them in the northern half of the County.

Table 2.--Total price paid for stumpage by product and class of seller.

Product	Farmers	Timber dealers and others	Total	Farm stumpage
	Dollars	Dollars	Dollars	Percent
Saw timber	90,600	22,800	113,400	80
Veneer timber	500	900	1,400	36
Cooperage, handle, and ski timber	100	1,200	1,300	8
Pulpwood	12,300	300	12,600	98
Piling	0	100	100	0
Total	103,500	25,300	128,800	80

The Lumber Industry as a Market for Farm Timber

The largest buyer of farm timber was the lumber industry, which is dominated by 11 pine concentration yards. Four of these yards are located within the county and seven in neighboring counties. They customarily receive their lumber mill run, plane it, and roughly grade it into two classes, "roofers" and "roofer-rejects." The rejects, which comprise not over 10 percent of the total volume, are sold locally, while the roofers are shipped to customers throughout the eastern United States. A high proportion of the shipments are to the accounts of wholesalers in the Northeast through such railroad diversion points as Salisbury, Maryland, and Delmar, Delaware (See Table 3).

In the building trades, the term "roofers" usually denotes the low-grade boards which are laid on rafters and to which the shingles or other roofing material are nailed. In Monroe County, it is loosely applied to the full range of grades and sizes produced locally from pine.

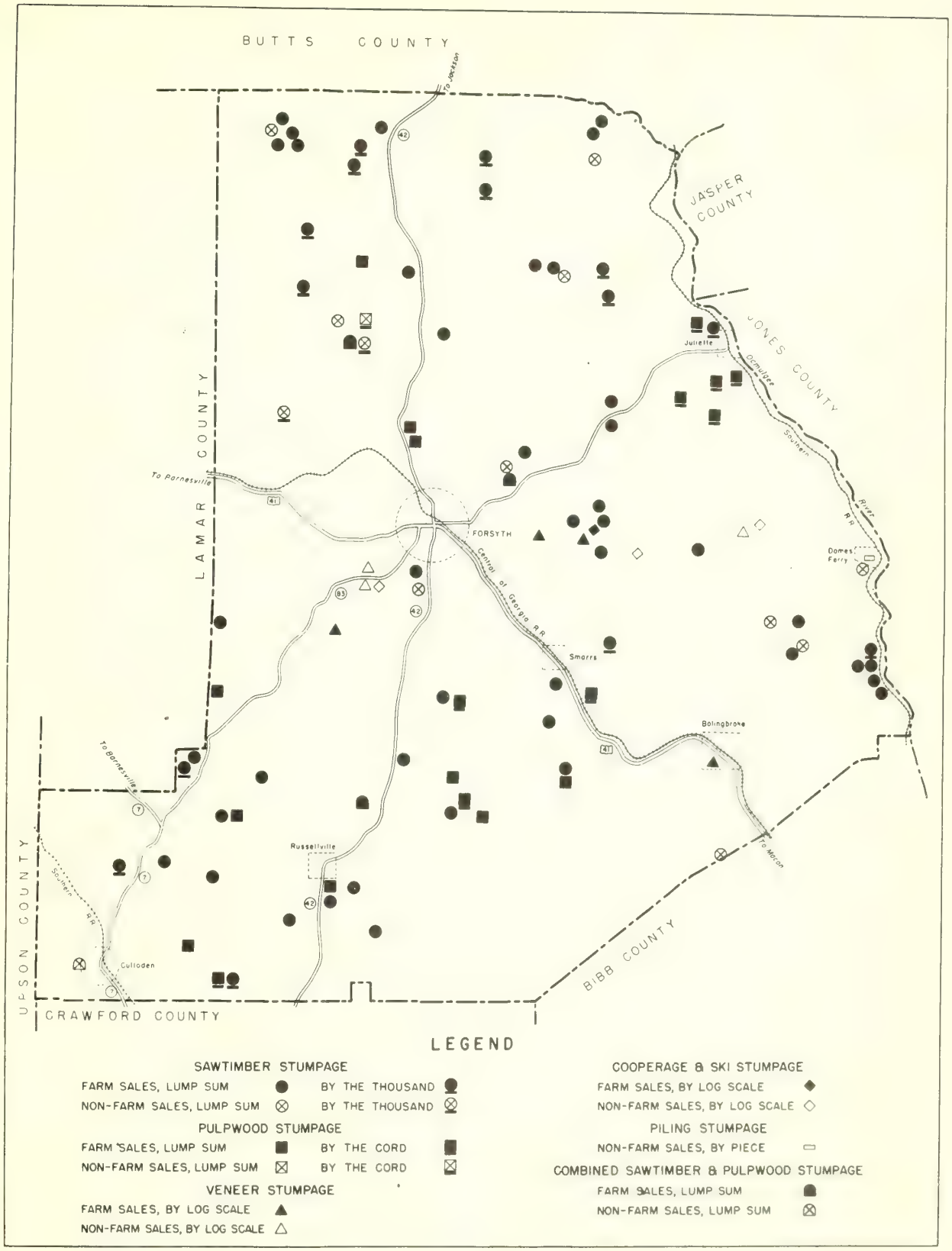

Figure 1. - Timber Sales in Monroe County, Georgia, 1947

Table 3.--Distribution of shipments from selected concentration yards obtaining lumber in Monroe County

Concentration yard	Delaware and Maryland	Penn. N. Y. N. J.	New England	Ohio Ill.	Ky. Va.	Florida
	Percent	Percent	Percent	Percent	Percent	Percent
A	90					10
B	85					15
C				90	10	
D	30	70				
E		70	5	25		
F	40	45	5	5		5

There are also two box and crate plants receiving lumber from the county. Both these concerns purchase pine stumpage and have it sawed by contract mills. Shipments of boxes and crates are particularly heavy to farm machinery manufacturers in Ohio and Illinois, but shipments are also made to North Carolina, Kentucky, Indiana, and the New York area.

Since the yards and box plants have little use for other species, 90 percent of the lumber produced is pine. Most of the remainder is yellow-poplar. Production totaled 18,868,000 board feet in 1947 and there were 24 portable sawmills in operation. The distribution of these mills by production classes was as follows:

1947 Production M board feet	Number of sawmills
50 - 499	7
500 - 999	10
1,000 - 2,999	7
Total	24

Of the 24 operators, 13 sawed under contract to yards and box plants and 11 were independent. The contract sawyers' responsibility ordinarily ended when the lumber was stacked at the mill site, although a few contracted to haul it. Usually, the independent operators also

sold their lumber stacked in the woods to buyers for the yards or larger lumber companies, but they did not always dispose of their entire cut on a mill-run basis. The small amount of high-grade pine lumber was sometimes sorted out and sold to millwork plants or to wholesale or retail lumber yards. A small amount of oak was also sawed into bridge timbers and heavy sills. This was sold locally. However, when hardwoods other than yellow-poplar were cut, the lumber was usually sold to a nearby furniture factory.

The Paper Industry as a Market for Farm Timber

The second largest market for farm timber was the kraft paper industry. During 1947, 16,200 cords of pulpwood were produced, of which less than 0.5 percent was hardwoods. It was shipped to pulp mills at Charleston and Georgetown, South Carolina; Roanoke Rapids, North Carolina; Savannah, Georgia; and Panama City, Florida. In 1948, two new mills at Macon also began drawing wood from the County.

Pulpwood procurement is accomplished through a system of company-sponsored dealers who, in turn, sponsor producers and, in some cases, sub-producers. Each dealer for a given company is ordinarily responsible for procurement either in a group of counties or in territory tributary to certain railroads. The producers, on the other hand, operate in not more than one or two counties and are directly concerned with producing and shipping the wood.

During 1947, there were four producers and two sub-producers operating in Monroe County. Their purchases of farm timber amounted to 7,300 cords, which was cut from 2,100 acres of farm woodlands.

The Veneer Industry as a Market for Farm Timber

There is also a good market for veneer timber and bolts with two package veneer plants and two commercial veneer plants drawing from the County. The volume of timber suitable for veneering is not great, however, and only 250,000 board feet were cut in 1947. These were produced by two loggers, neither of whom is a full-time operator. Their usual procedure was to purchase the scattered trees of veneer-quality yellow-poplar, sweetgum, maple, sycamore, and blackgum from concentration yard or sawmill operators who had acquired tracts of pine and mixed hardwoods. Thus, they seldom dealt directly with farmers, even though much of their cutting was in farm woods.

Other Markets

The two veneer loggers also cut about 40,000 board feet of white oak stave bolts, which were shipped to a stave mill at Macon. The proprietor of this mill later bought 55,000 board feet of hickory timber, which he logged and sold to be cut into ski blanks for export to Europe. There was also a sale of 5,000 board feet of ash handle bolts to a Macon handle plant.

The only other timber product sold in 1947 was foundation piling. Twenty-two pine trees were purchased and cut by a local logger for use in power plant construction. A treating plant at Macon offers another market for pine poles and piling, but the timber in Monroe County, as in much of the southern piedmont, is generally too rough and limby for this purpose.

MARKETING OF FARM SAW TIMBER

It has been pointed out that farm forest products in Monroe County are sold chiefly as stumpage, with saw timber the major product. The following discussion summarizes the 1947 farm saw timber transactions and analyzes the most important factors affecting the prices received.

Transactions in 1947

Fifty-three of the 79 farm sales of stumpage were of saw timber alone. White resident farmers made more than two-thirds of these sales, but colored farmers were well represented, as well as local professional men who owned farms, non-resident farm owners, and heirs to farm properties. The total acreage from which timber was sold was roughly 6,600 acres, or 8 percent of the farm woodland area as reported by the 1944 Census of Agriculture. Sales by resident farmers, both white and colored, averaged less than 100 acres in size. In contrast to these small sales, the local business man and non-resident farmers sold about 250 acres of timber at a time, while the heirs to farms sold about 500 acres.

The total volume of sales amounted to 8.9 million board feet, nearly 60 percent sold by white resident farmers and nearly 20 percent by heirs to farms. Resident farmers' sales averaged 137,000 feet per sale, sales by non-resident farm owners 183,000 feet, and sales by heirs 568,000 feet.

The average price received for saw-timber stumpage was $10.10 per thousand board feet. There was considerable variation among classes of sellers, the colored farmers averaging only $8.40 compared to a high of $11.60 received by the heirs to farm properties. The colored farmers also sold the smallest area and volume per sale and the heirs the largest. The prices per thousand board feet received by the different classes of

Figure 2. - Markets for lumber, logs, and bolts from Monroe County, 1947

farm owners were as follows:

Colored farmers	$ 8.40
Local business men owning farms	$ 8.60
White farmers	$ 9.90
Non-resident farm owners	$10.80
Heirs to farm estates	$11.60

Two thirds of the sales were on a lump-sum basis but, because they averaged larger in size than other sales, they accounted for 85 percent of the saw timber sold. The rest of the sales were on a lumber-tally basis. There was little difference in the average price received.

Written contracts governed nearly 60 percent of the sales and 75 percent of the stumpage sold. When the seller required a written contract, as he did in 42 percent of the sales thus covered, he received $11.40 per thousand. When it was the buyer who specified a written contract, the seller received $9.44. The average price received from sales under verbal agreements was only $8.70 per thousand board feet, apparently indicating that informal sales, even to friends or relatives, are seldom profitable.

Factors Determining Stumpage Prices

The prices received for farm saw timber ranged from $3.80 to $16.30 per thousand board feet. What were the factors that determined these prices?

Land Clearing

In four sales, the primary reason for selling was to clear land for pasture, and the price per thousand was secondary to this objective. Consequently, two of the sales brought only $3.80 and $4.30 per thousand The selling prices of the other two were more nearly normal, $10 and $13.60. The low prices reflected the sellers' desire to have the land cleared as completely as possible even at some financial sacrifice.

In the succeeding discussion of factors affecting stumpage prices, the four sales for land clearing have been omitted, because the price received had little relation to the criteria affecting the prices of ordinary sales. The conclusions drawn are based, therefore, upon a study of the remaining farm sales of saw-timber stumpage, which totaled 7.9 million board feet and brought $84,100. The average price received was $10.60.

Species

Even though 90 percent of the cut was pine, the species composition of the tracts appears to have had a significant effect upon the price paid for stumpage. Pure pine or pine in mixture with oak, hickory, and the less merchantable species commanded a lower price than pine in mixture with yellow-poplar and sweetgum.

Pine	$10.10 per M bd. ft.
Pine and mixed hardwoods	$10.50 per M bd. ft.
Pine, yellow-poplar, sweetgum	$11.60 per M bd. ft.

There are several reasons why the mixed pine-hardwood stands sold for more. In the first place, the pine growing in these stands was somewhat better quality than the pure old-field pine. Secondly, the sawmill operators in the mixed stands sometimes practiced a limited amount of sorting, selling the poorer quality boards as roofers, the better quality pine to retail yards and millwork plants, and the better quality yellow-poplar and gum to neighboring box plants. In addition, the box plants at Macon and Jackson paid a higher price for stumpage with a good admixture of yellow-poplar and sweetgum. Finally, stands containing yellow-poplar and sweetgum of veneer quality are worth more to a sawmill operator, because he can make a small profit selling the veneer stumpage directly to a bolt producer. The effect of the different methods of disposal of lumber upon the stumpage price paid for stands of various species combinations is as follows:

Disposal	Pine	Pine-mixed hardwoods	Pine, yellow-poplar, sweetgum
Roofers to concentration yards	$ 9.60	$10.00	$11.00
To furniture plants	11.10	8.70	10.00
Roofers and higher grades elsewhere	11.60	--	14.00
Box plants	9.50	13.90	16.20

Size of Timber

In pure pine stands the stumpage price did not consistently increase with an increase in the average diameter of the trees. As expected, the stands composed of small saw-timber trees sold for less, averaging $9.50 per thousand, than stands ranging in average diameter from 11 through 13 inches d.b.h., which sold for $11.40. Oddly enough, however, stands averaging over 13 inches returned the owners only $8.90 per thousand on the average. This can probably be explained by the fact that over half of the volume was sold by a colored widow who received only $6.00 per thousand for her timber. She knew nothing about timber, had no written contract,

and was chiefly concerned with obtaining enough money to buy an automobile.

In spite of these rather unusual cases, however, there was a trend toward higher stumpage prices as the average tree diameter increased, when both the pine and pine-hardwood stands were considered, as is indicated below:

D.b.h. classes	Dollars per M bd. ft.
8, 9, and 10 inches	$ 8.90
11, 12, and 13 inches	$10.60
14, 15, and 16 inches	$11.60

Quality

No precise measure of timber quality could be made, but the stumpage was classified as fair to good or poor quality, based either upon observation or the buyer's and seller's estimates of the quality. These terms apply to timber occurring in the piedmont. Good pine timber there is not comparable to good quality loblolly or longleaf pine of the Georgia coastal plain.

There was not a wide range in the quality of the timber sold. It was found, however, that more was paid for fair to good timber than for poor, both in the pure pine stands and in those where yellow-poplar, sweetgum, and other hardwoods were in mixture. The average price paid for fair to good stumpage was $10.80 compared to $8.40 for the poor, a difference of $2.40 per thousand board feet.

Size of Tract

The size of the area sold did not appear to have much influence on the price received, although there was some indication that stumpage prices were higher for timber in tracts of less than 50 acres. For instance, good quality timber on these smaller acreages sold for an average of $12.70, that on areas over 50 acres for $10.40. However, for all qualities of timber combined, the average price was $11 on the smaller tracts and $10.70 on the larger, probably not a significant difference.

Cut per Acre

The highest average price, $11.30 per thousand feet, was paid for stands providing a cut of over 5,000 feet per acre. Based on the data available, however, it appears that the volume cut per acre had no significant influence on the price paid for stumpage except in the very best

stands. For instance, in all sales where the cut was 1,000 to 2,000 feet per acre the average price paid was $11.20; where the cut was 2,000 to 3,000 feet the price was only $9.

Accessibility

In pine stands the relative ease of logging, as influenced by topography, was reflected in the price paid for stumpage. On rough land, the average price was only $7.60 per thousand, on rolling land $10.60, and on flat land, where the logging was easiest, $13.20. This did not hold true for stands where yellow-poplar and sweetgum were mixed with the pine. These species are of the best quality in the rough broken land along the Ocmulgee River and poorest on the flat pine lands of the southwestern part of the county. The higher quality of the timber on the rougher areas apparently offsets increased logging costs, and stumpage brought $12.10 as compared to $11.40 on the rolling areas, and $10.70 on the flat land.

It is common practice to skid logs directly from stump to mill, and the lumber is sold stacked at the mill site. The condition of the roads and the distance from the stacked lumber to the nearest all-weather road do not, therefore, have a direct bearing upon the price the mill operator pays for stumpage. It seems reasonable to assume, however, that the lumber producer will receive less for lumber stacked a long distance from a good highway and that he would take this into consideration when deciding upon the price to pay for stumpage. Analysis of sales indicates this was not always the case, as the difference between the price paid for stumpage located within five miles of an all-weather highway and stumpage located 6 to 11 miles away was only 60 cents per thousand feet.

Seller's Bargaining Position

The farm owners who planned on continuous yields of timber from their woods received more for their stumpage than did those who planned only one liquidation cut. There are doubtless several reasons for this, chief of which would be greater knowledge of timber volume, quality, and value attained through experience on recurring sales. These transactions also afford the owner contact with more stumpage buyers, enabling him to better appraise the available markets for his timber. Apparently, the farmers who plan ahead also manage their financial affairs better. Only 20 percent of the volume sold by owners planning continuous yields was sold because money was needed, whereas over one-half of the volume sold on liquidation sales was for this reason. The owners who had carried their timber harvesting plans to the point of operating on tentative cutting cycles had the best knowledge of timber values, and this is reflected in the price they received.

Seller's plans	Price per M bd. ft.
Liquidate timber	$ 7.90
Permanent operation, no cutting cycle established	$10.00
Permanent operation, cutting cycle established	$11.40

Freedom in deciding when to sell is essential if the farmer is to receive a satisfactory price for his stumpage, since he is at a disadvantage when he is forced to sell his timber for financial or other reasons. In Monroe County, about one-fourth of the saw-timber stumpage was sold because the farmer needed money, indicating that some of these might be forced sales. The average return was $10 per thousand.

The bulk of the stumpage, nearly 60 percent, was sold because prices were high and it seemed a favorable time to sell. The sellers received an average of $11 per thousand, or $1 more than those who needed money. Other "free" sales included the widow who sold timber to buy a car, the man who sold the timber from the farm before he moved, farmers who made partial cuttings to improve their stands, and one farmer who sold timber every year. Only in the first two of these cases was the selling price noticeably lower than the average, and this resulted from lack of knowledge of timber values. In summary, it appears that the seller's bargaining position may be influenced by his reason for selling, but most sales were of the "freewill" type, which allowed the owner opportunity to bargain for the best price.

A farmer's ability to bargain effectively is reduced materially by lack of knowledge of timber volume, quality, and value. Inability to properly estimate timber volume is the greatest weakness. Fully one-half of the sellers admitted they had little idea of the quantity they sold, and it is probable that others were not too well informed. Three-fifths of the sellers were aware of the price being paid for timber in their locality and seemed to have a fair idea of the value of their timber. Two-thirds claimed to have knowledge of the quality of their timber, but their appraisal was undoubtedly based upon current products, i.e., roofers, and did not take into account the possible value of the timber for a higher use. The saying that "knowledge is power" is unquestionably true in the case of farmers selling timber, for those who professed to know volume, quality, and value received an average of $11.70 per thousand board feet compared to $8.40 received by the uninformed. If all had been equally competent, the farmers in Monroe County might have obtained about $24,000 more for their stumpage.

Present facilities of public forestry agencies afford the individual farmer little opportunity to obtain the disinterested advice and assistance he so badly needs. The only source of marking and cruising help in Monroe County is the local District Forester of the Georgia Forest Service. Since he has many other duties, including fire protection,

it is obvious that he can work on only a very small portion of the 12,400 farm woodlands in his District, even with one or two assistants to help him. In 1947, help to the extent of marking 168 thousand board feet, was requested and given on only one of the 49 sales under analysis.

Representatives of the lumber and pulp companies cruised some timber and made the results available to the owners, thus affording them some basis for making an intelligent sale, but only three instances of this kind were encountered. The owners marked the timber to be sold in three additional cases, but no sale was discovered on which the timber was both marked and cruised. The greater return from selling marked or cruised timber is illustrated below:

	Percent of total volume sold	Average price per M bd. ft.
Not marked or cruised	77	$ 9.70
Marked only	1	$12.80
Cruised only	22	$13.50

Heavy cutting and withdrawal of large forested areas to paper company ownership has intensified the shortage of operable saw timber. It would be reasonable to assume, therefore, that there would be intensive competition for every tract of timber, and that a number of bids would be received for each offering. Such was not the case, however. In nearly three-fifths of the sales there was only one bidder. There appear to be two reasons for this. Frequently, a buyer makes an offer to a timber owner who has not previously considered selling his timber and, if the offer seems good, the owner may sell without troubling to invite bids from other buyers. It is also quite common for farm timber owners to sell to a relative in the sawmill business or to a neighboring sawmill operator without looking for better markets.

For the highest return, timber owners should apparently obtain bids from three or more prospective purchasers. The one- and two-bid sales showed little or no difference in price. When three to six bids were obtained, on the other hand, the seller averaged $2.50 more per thousand.

Buyer's Bargaining Position

The buyers of saw timber are chiefly independent sawmill operators and the operators of concentration yards or box plants who have timber sawed by contract mills. Their bargaining position is influenced by a number of factors such as the product manufactured, competition for timber, the spread between operating costs and selling prices, their knowledge of timber, the location of their mill in relation to the timber, and the buyer's reputation for fair dealing.

Independent operators producing only roofers are limited in their ability to offer better-than-average prices for stumpage, because their lumber brings a rather uniform price at all the markets available to them. Those who produce roofers but also sort out the better boards for sale to millwork plants and retail yards can and do pay more for their timber. These operators are typically more efficient and are rather aggressive in searching for better markets. Buyers of timber for the box plants are in the best position of all, because the higher value of their final product apparently allows them to pay more for stumpage. Concentration yard operators who buy stumpage are in much the same class as the sawmill operators producing only roofers, for most of the yards ship only ungraded roofers to the northern markets.

A growing shortage of timber also works against the stumpage buyer by forcing him to pay a higher price and by making it difficult to plan his operation far ahead. It has been common practice for most independent operators to have several months' to a year's supply of timber under lease, but some report that this has been impossible recently.

No precise information is available on the spread between lumber costs and selling prices, but fragmentary information indicates that some operators may not make enough to cover interest, insurance, depreciation, and taxes.

Knowledge of standing timber volume is more essential to the buyer in Monroe County than knowledge of timber quality, because of the low-grade product manufactured. Very few of the operators make a systematic cruise of a tract before purchase, but depend upon rough estimates based on general observation. Those who have acquired a degree of accuracy through trial and error have a bargaining advantage over their less-practiced competitors. Even they are not always able to bid effectively, however, because their estimates may be too low to interest the sellers.

Mill location in respect to the timber supply is not a very important factor affecting the buyer's bargaining position in Monroe County. This is because the mills are small and portable, and it is common practice to move the mill directly to the timber. Also, the sawmill operators tend to restrict their timber purchases to their own neighborhood where they have an established supply of labor.

One of the most important items affecting the buyer's ability to bargain effectively is his reputation for honesty and fair dealing. It is frequently the deciding factor when a seller chooses between offers. Indeed, the sellers sometimes make small price concessions in order to sell to a reliable operator.

Method of Setting Price

As might be expected, the price paid for stumpage depends to a considerable degree upon how it is established. In Monroe County, the price was set in five ways: (1) by the buyer, (2) by the owner, (3) by compromise between the owner and a single buyer, (4) by acceptance of the highest bid, and (5) by compromise between the owner and the highest of a number of bidders. When the buyers established the price, they were naturally conservative, and the average return to the stumpage owner was low. There was no evidence, however, that the buyers were adhering to a mutually agreed-upon price, since there was a range of $4 to $12 per thousand (see below). The seller gained little when he set the price himself, for he often asked less than the timber was worth or the buyer willing to pay. Neither did negotiation between the owner and a single buyer result in a higher price, but when bids were obtained from several operators there was a marked improvement. Highest prices resulted when several bids were obtained, and the owner then negotiated further with the high bidder.

How price is set	Average price per thousand	Range in price
By buyer	$ 9.60	$4.00 - $12.00
By compromise with one buyer	$ 9.80	$7.70 - $12.00
By owner	$10.30	$6.30 - $14.90
By high bid	$11.20	$8.80 - $15.00
By high bid and negotiation	$12.60	$8.00 - $16.30

Method of Paying

Two-thirds of the sales were lump-sum transactions and payment for the rest was by the thousand board feet, lumber tally. There was a slight advantage to the owner in selling for a lump sum; the average price received was $10.60 compared to $10.40 on the basis of lumber tally. It is difficult to say with certainty just why lump-sum sales resulted in higher stumpage returns, but the greater number of bids received appears to be an important reason. In over half the lump-sum sales there were two or more bids, but this was true of only one-fourth of the lumber-tally sales. When only one bid was received, there was a small differential favoring lumber-tally.

MARKETING OF OTHER FARM TIMBER

Pulpwood

Transactions in 1947

There were 19 sales of farm pulpwood timber during the year. Nine of these were made primarily to clear land. The other 10 were spread among four buyers (one an independent producer, the other three producers for a single large company) operating in four widely separated sections of Monroe County. Their leases totaled 953 acres, ranging from 3 to 300 acres in size, and approximately 3,060 standard cords of pine pulpwood were cut. The selling price varied from $1.40 to $2 per standard cord, averaging $1.70.

Seven of the sales were by verbal contract with payment by the cord in six of them and by lump-sum payment in the seventh. There were written leases for the other three sales. Payment was by lump-sum in two of these, by the cord in the remaining one. From a comparison of the returns received under various conditions of sale, it appears that the most advantageous way to sell pulpwood is by a written contract with payment by the cord. Returns to farmers under these conditions were $2 per standard cord. The next best method is by written contract with a lump-sum payment. This resulted in an average return of $1.90 per standard cord. The third method, and the one most used in Monroe County, is to sell on a verbal contract with payment by the cord. The average return by this method was approximately $1.80 per standard cord. The lease desirable method encountered was selling by lump-sum payment with a verbal contract. The average return here was only $1.40.

Of the ten sales studied, six were straight sales of pulpwood in which the average selling price was approximately $1.60 per standard cord. The other farm sales were of small trees and tops left after the saw timber had been harvested. The average selling price was approximately $1.90 for this group. It was anticipated that straight sales of pulpwood would bring a higher price than the "clean-up"sales after saw-timber logging because of the greater density of the stands and the larger trees to be harvested. The only apparent reason for the opposite effect is the fact that two of the purchases following saw-timber cutting were made by the man who cut the saw timber. By combining the pulpwood cutting with the logging of saw timber, he possibly paid more for the pulpwood than he could have afforded if buying only the pulpwood after the saw-timber logging had been completed by some one else.

Factors Determining Stumpage Prices

Species was not a factor in determining stumpage prices, since only pine was cut for pulpwood. The trees averaged a little over 7 inches in diameter, ranging from 4 to 14 inches. The selling price of pulpwood cut from trees less than 8 inches in diameter was $1.70 per standard cord; for that cut from trees 8 to 12 inches d.b.h. the price was $1.85. Very few trees over 12 inches d.b.h. were cut into pulpwood. It appears that size was a factor in determining stumpage prices, for the highest selling price was for pulpwood stands with an average d.b.h. of about 11 inches, the price declining as the average d.b.h. of the stand increased or decreased from this point.

The quality of the timber influenced stumpage prices to the extent of approximately twenty-five cents per cord. Pulpwood cut from "good" quality timber sold for slightly under $2 per standard cord while the price for pulpwood from "fair" and "poor" timber was just below $1.75 per standard cord.

The acreage of a lease had no apparent effect on stumpage prices. This was probably due to the prevailing practice of selling pulpwood by the standard cord removed rather than by lump-sum payment for all the pulpwood stumpage on an area.

No measure of the effect of stand density on stumpage prices was possible because nine of the ten sales were from stands of medium density. Contrary to logical expectations, however, the average volume per acre had little effect on the selling price of pulpwood. For instance, five sales with an average cut of three cords or less per acre ranged in price from $1.50 to $2. Sales of heavier stands, up to 20 cords per acre, ranged from $1.40 to $2 per cord.

Accessibility did not seem to be a factor in determining stumpage prices, as conditions are fairly uniform throughout the county. The majority of sales were made on the rolling topography that characterizes most of the farmland in the county. All rural and logging roads are about equally passable, varying in degree by season of the year. Loading points are plentiful along three rail lines, and no point in the county is over 15 miles by road from a railroad. The average truck haul probably does not exceed 7 miles.

The seller's plan, or lack of one, for managing his timber had slight bearing on stumpage prices. The seven sellers with management plans averaged only five cents more per cord than the three who had no plans. Neither did the farmer's reason for selling his pulpwood stumpage have any apparent effect. And when the seller had his timber cruised, his return was only ten cents a cord higher than when no cruise was made.

Veneer and Cooperage

There were only four sales of farm veneer timber during 1947. Just a little over 46 thousand board feet of pine, yellow-poplar, and sweetgum were cut from a small acreage. The average selling price was $10 per thousand with no differentiation of species. This timber was sold to independent veneer bolt producers. Payment was on the basis of the log scale of bolts delivered to the veneer plants. No written contract or timber lease was involved.

One transaction also included the sale of nearly 3,500 board feet of white oak bolts for tight cooperage manufacture. The price was $15 per thousand. Conditions of the veneer sales also applied to the cooperage bolts sold.

No comparisons of these few sales are possible, so the factors determining stumpage prices must remain undiscovered. However, this is not too important, as there is a very small percentage of timber in the county of high enough quality to use for veneer and cooperage. This is unfortunate, in view of the good markets for these products in the vicinity

REACTIONS TO TIMBER TRANSACTIONS

The Buyer's Reaction

In general, the timber buyers were satisfied with the results of their timber transactions. One-third of them admitted that they made particularly good buys on roughly one-fifth of the total number of their farm stumpage purchases. This included all types of stumpage. More than half of those who made good buys believe they should have paid more for some of the farm timber. This indicates that a portion of the farm timber sold in Monroe County brought less than its fair market value.

Only a few buyers claimed to have paid too much for stumpage. Their dissatisfaction resulted from obtaining less than the expected volume from the tracts cut. Due to the increasing scarcity of good timber in the county, it was anticipated that many buyers would complain of high stumpage prices, but this was not the case.

Slightly over half the farm timber transactions were made under a formal written contract. As may be seen from the typical timber lease in the Appendix, there is little reason for buyers to be dissatisfied with purchases made under the conditions specified. The written contracts used in Monroe County may be said to be "all for the buyer." (See Appendix for a contract form designed to protect the seller.) The verbal contracts by which the rest of the sales were made gave equally as much freedom to the buyers. Only one buyer complained of disadvantageous terms of sale. This

was on a sale of marked timber. The buyer maintained that he lost money on the transaction because the marked trees were so scattered that his logging costs were exorbitant.

A few other cases of buyer dissatisfaction were noted, each for a different cause. Most of them were of the kind that are bound to arise in any group of transactions. Examples are: (1) the seller tried to renege on the sale when he received a more attractive offer after he had signed the contract, (2) the seller had previously sold the best trees in the stand, (3) the seller misrepresented the boundaries, so the buyer cut less than he had cruised and paid for, and (4) the seller was so unreasonable in his demands that the buyer abandoned cutting the tract. From the foregoing it is evident that the buyer must carefully check all conditions of the sale, and even then, cannot avoid some disagreements.

The Seller's Reaction

On 70 percent of the sales of farm timber the seller was satisfied with the price received, the terms of sale, and the performance of the operator. This does not mean that all these sellers received highly favorable prices, although they did average $10.64 per M board feet for saw timber and $1.76 per standard cord for pulpwood. The percentage of satisfied sellers would have been much lower had they been more familiar with timber markets and the quantity and quality of the timber they sold.

One of the factors that very definitely affects a seller's satisfaction is his primary reason for selling his timber. If he sells of his own free will, simply to make a profitable business transaction, his chances for satisfaction are much better than when he sells because he is in immediate need of cash. In 1947, about 30 percent of the total number of farm timber sales were made primarily to take advantage of what the seller deemed favorable prices. About 85 percent of these transactions left the sellers satisfied. During the same period, 28 percent of the total number of farm timber sales were made because the sellers had immediate need of money, and their timber assets lent themselves readily to conversion to cash. The sellers were satisfied in only 60 percent of the sales of this type. The third most prominent reason given for selling was to clear land for other agricultural uses, and the sellers were satisfied in slightly more than half the cases.

The remaining sales were made for a variety of reasons, such as desire to improve the timber stand, desire to liquidate timber before moving from a farm, desire to obtain cash to spend "before I die," and to salvage dead and dying timber. In three-fourths of these cases the seller was satisfied with the results of the sale.

The reasons why sellers were dissatisfied were various and ranged from petty differences to misinterpretation of contracts. Very often a seller was dissatisfied with the results of a transaction for a very minor reason. At the same time there may have been other and more important

grounds for complaint of which he was unaware because of his inexperience or ignorance of timber marketing practices. For instance, there were indications that the buyers could have afforded to pay more than they did for stumpage, yet only 6 percent of the sellers complained of too low a price. Apparently, many never discovered just how low their final realization was. An example of a common practice will show how this can happen: A farmer agrees to sell his stumpage for a lump sum, this lump sum being computed by multiplying a generally fair price per thousand board feet by the volume of stumpage he thinks he has. For this last figure he either uses his own inexperienced estimate, the figure supplied by a neighbor who is as unqualified as he, or the buyer's cruise which is likely to be conservative. Thus, the farmer sets a price which he believes will give him a fair return. Actually, he may be selling more timber than he believes he has and so realizes a correspondingly lower price per thousand. If he never discovers how much the buyer actually cut, he continues to believe he has made a fair and profitable business transaction. Most of the complaints about low prices occurred in cases where the seller later discovered the buyer cut more than the original estimate.

The sellers had many complaints about the terms of sale incorporated in timber leases. Slightly over half the farm timber sales were covered by formal written contracts. Often the seller, being unfamiliar with legal documents, neglected to read his contract closely or failed to understand the significance of certain phrases. Thus, after signing, he found he had agreed to certain items which were not in accord with his desires. An example of this was the farmer who wished to sell only his pine stumpage. After the contract was signed and the cutting under way, he found that the lease called for all saw timber. Since most of the formal written contracts were for lump-sum sales, without provision for payment for timber cut in excess of the original estimates, the seller had no control over the volume cut. So, if he found he had sold for too low a price, he could not obtain payment for the additional volume. Another source of misunderstanding was the number of cuttings allowable while the contract was in effect. Some sellers maintained that buyers legally violated the intention of their contracts by making a saw-timber cutting as soon as the lease was signed and another for pulpwood just before the lease expired, thereby harvesting trees that had grown to operable size in the intervening time. On a three-year timber lease, the volume increment might be substantial.

The verbal contracts upon which the rest of the sales were made caused equally as much trouble. More than 75 percent of these verbal contracts were founded upon mutual trust, friendship, or a family relationship between buyer and seller. Yet, in over half of these sales the seller expressed dissatisfaction.

In sales with formal written contracts, the sellers seldom complained of buyers not observing the terms of the contract. Under verbal contracts, however, misunderstandings and misinterpretation were common. Many sellers felt that under the terms verbally agreed upon they were not given an accurate accounting of the kind and amount of

timber cut. This was particularly true of those sales paid for by the thousand board feet or by the cord. Without written contracts, there were often complaints about trees cut below a reasonable diameter limit, about the agreed-on price, and about the species to be cut. Unsatisfactory as the present type of written contract may be, it is probably better than no contract at all. At least, it establishes the terms so they can be enforced by both parties. However, it appears that there will continue to be considerable dissatisfaction with timber sale terms and their observance until farmers make general use of an understandable timber lease that is fair to both parties.

Nearly ten percent of the sellers complained of the purchaser's inefficient utilization of timber. In producing veneer bolts, for instance, much of the tree was left on the ground after the choicest portion of the stem had been removed. Since all veneer sales were made by verbal contract, with payment on the basis of the log scale of the bolts removed, there was nothing the sellers could do to enforce closer utilization.

A few sellers felt that cut logs left in the woods by loggers constituted a large item of waste. However, the percentage of logs left was negligible in most cases.

Timber stands were left in what the owners considered an unsatisfactory condition on ten percent of the sales areas. The owner's purpose in making the sale had much to do with his reaction here, for half of the objections were voiced by farmers who had sold timber in order to clear land. In view of the low selling price, the farmers expected the land to be cleared of practically all trees, but this was not economically practicable for the timber operator and was not specified in the sales agreement. A few claims of damage to young growth were heard but not enough to indicate any widespread carelessness. Only one instance of stripping a stand was reported. More complaints of this type were expected owing to the common practice of cutting saw timber to a minimum stump diameter of 8 inches.

ALTERNATIVE METHODS OF MARKETING TIMBER

Occasionally, while discussing a timber transaction with a farmer, it became apparent that some other method of selling would have been more to his advantage. Frequently, too little was known of the character of the timber or of the situation at the time of the sale to form a judgment, but enough cases were observed to permit a few conclusions.

Lump Sum vs. Sales by the Unit

As previously explained, the average sales realization per thousand board feet or per cord was little affected by the terms of sale. However,

it should not be concluded that a lump-sum payment and payment by lumber tally or cord were equally favorable terms for every sale. There was considerable evidence, for example, that lump-sum contracts are risky when the seller is ignorant of the volume and quality of his timber. The lowest prices received in 1947 were from sales made under these conditions. Lacking a cruise of his tract, the farmer's only assurance of receiving fair value is to secure at least two, and preferably three or more, bids before entering a lump-sum agreement. If this cannot be done, it is safer to sell by the thousand board feet or by the cord of products cut. There were enough sales on this basis in most parts of Monroe County last year to establish a "going" price. To find out what it was, a farmer needed only to inquire among his neighbors.

The chief disadvantage of the per-thousand or per-cord sale is the opportunity it gives the buyer to violate either the letter or the spirit of the agreement. If dishonest, he may fail to report the total cut. If in search of a quick profit, he may hi-grade the stand, since he is only forced to pay for what he takes. The farmer's only sure protection is to sell to a man with an established reputation for honesty. In so doing, he often finds himself forced to refuse the high bid for his timber, or even to seek out a buyer. Either way, he places himself in an inferior bargaining position, and many such instances were noted in the transactions studied. To avoid this, some farmers sold to the high bidder and depended upon frequent inspections of the logging or milling operations to protect their interests. This was time-consuming at best, and contract infractions were often hard to detect and even harder to prove.

Sales of Primary Products vs. Sales of Standing Timber

It is often recommended that farmers cut their own timber during slack periods and sell it in the form of logs and bolts. These products can then be measured for payment in the presence of both parties to the transaction, and the farmer makes wages for his time. During 1947, only two Monroe County farmers tried this method, selling a total of 225 pens of pulpwood for an average price of $1.05 per pen or approximately $5.25 per cord. Since they were able to cut and stack a cord per man-day, this was the equivalent of the average price of pulpwood stumpage, $1.70 per cord, plus an hourly wage of 44 cents. No cut logs were sold by farmers.

Choice of Markets and Buyers

The fact that box plants paid higher stumpage prices than other buyers has already been mentioned. However, only two of them buy timber in the County. Aside from them, the only large timber buyers are the roofer-lumber manufacturers and the pulpwood producers. The volume of veneer and other stumpage purchased is too small to be significant. Thus, the average farmer really has only two markets: one for pine saw timber

and one for pine pulpwood. To which he sells depends largely on the size of his timber. As a matter of fact, even his choice of potential buyers is limited. The sawmill operators, for example, tend to restrict their activities to one vicinity, and there are seldom more than two or three competing within a given area.

Even though the number of markets and buyers is limited, very few farmers take full advantage of those available. This was illustrated in 1947 by the high proportion of sales to first bidders. Lack of competition among buyers could not be blamed; in most instances, more enterprising neighbors were able to obtain two or more bids for timber of the same desirability.

Sales by the Boundary vs. Sales by Products

Nearly half the sellers whose timber tracts were large enough and well enough stocked to permit separate sales of saw timber and pulpwood were seemingly unaware of the extra income potentialities of doing so. These men usually made one sale of all saw-timber trees 8 inches or larger across the stump. The smaller trees had little value for lumber, because sawmill production has run heavily to 2 x 6 and larger sizes. Consequently, lump-sum bids frequently contained no allowance for the 8- to 9-inch trees, and the tremendous waste in sawing limited the stumpage return when payment was based on lumber tally.

A more profitable alternative was to sell the saw timber to a 10- or 12-inch minimum diameter. The remaining smaller trees and the tops left by the sawlog operation could then be sold for pulpwood. Farmers who followed this procedure usually received as much for trees and tops as was paid for the same volume of pulpwood all in standing timber. Since sawlog cuttings in the limby old-field stands which predominate in Monroe County leave a large volume of waste in tops, the gain through salvaging this material may be substantial.

Heavy vs. Light Cutting

The prevailing practice of selling timber to an 8-inch or smaller minimum diameter on the stump suggests another alternative, that of selling a smaller volume of timber at more frequent intervals. From both an economic and silvicultural standpoint there are many advantages in frequent lighter cuttings. One of the most important is the opportunity to build up the density and quality, and thus the value of the timber stands. At present, however, very few farmers are prepared to sacrifice immediate income in favor of a long-term plan of timber management.

BENEFICIAL FEATURES OF THE PRESENT MARKETING SYSTEM

To convert standing trees in the woods of Monroe County to finished or semi-finished products ready for shipment to outside markets requires a chain of transactions and processes which has been already described. The composite is a marketing system which, although deficient in some respects, has much to recommend it. Some of the advantages are as follows:

Decentralized Market for Timber

Timber buyers, unlike the buyers of many other commodities, are local men. To contact a potential customer for his timber, a farmer need seldom go beyond his immediate neighborhood. There are sawmill operators, for example, in every section of the County. Many are better acquainted with the forest stands of their vicinities than are the men who own them. In some cases, receiving a bid is the landowner's first intimation that his trees have grown to merchantability. The presence of a fairly steady local demand and the fact that neither travel nor correspondence is needed to bring buyer and seller together make timber sales very easy to negotiate. This facility is undoubtedly one of the reasons why a tract containing 30 thousand board feet can be sold for the same price per thousand as one containing 300 thousand. On the other hand, it may help to explain why sizable transactions are entered upon so casually, often without a written contract or without any effort by the seller to encourage competitive bidding.

Assistance to Timber Operators

So many small timber buyers and operators could scarcely exist were it not for advice and financial assistance from lumber concentration yards, from pulpwood dealers, and to a lesser extent from veneer mills and from lumber remanufacturers and wholesalers. Some could never have accumulated sufficient capital for the initial investments in equipment and stumpage, or for the first few weeks' pay rolls and similar expenses. Others would never acquire enough business skill or financial stability to survive competition, unprofitable deals, business recessions, and the like. And only a few could raise the large sums at short notice which would enable them to seize upon attractive buys in timber. Another aid to the small sawmill operator is that lumber is paid for as it is stacked green from the saw. Thus, the sawmill man can keep his limited working capital producing, since little or none of it is tied up in inventories.

Without such support, there would be fewer and larger independent operators to compete for available timber. Such a situation would react against the average farmer by making small timber tracts harder to sell.

The sponsorship of operators by larger firms is not, of course, an unmixed blessing to the timber owner. Along with the assistance, the sponsor is certain to exert some control, and he would be likely to frown on stiff competitive bidding "within the family." Frequently, this control is carried to the point of squeezing out the independents in favor of contract producers.

Marketing System Suited to Character of Timber

The timber of Monroe County is predominatly low-grade pine occurring in small scattered stands. Yet, a rather large forest industry has been built on this somewhat shaky base, an industry with products able to compete successfully in the general markets of the Nation. Its design is well fitted to the conditions under which it must operate. Lumbering can serve as an example. To exploit the small scattered stands profitably, the primary manufacturing is carried on in the woods by a large number of highly portable units. Individually, none of these units has sufficient productive capacity or financial strength to move its products beyond local markets. Larger sawmills could reach the general market but, due to lack of portability, would be handicapped by the necessity of hauling low-grade logs to their central locations. Therefore, rough lumber is hauled from the sawmills to a central planing mill for surfacing, grading, and distribution, or to a plant where it is remanufactured into boxes, millwork, or other secondary products. The same principle governs the pulp and paper, veneer, and handle industries. In each case, logs or bolts from a number of primary producers are concentrated at a central plant for further processing and distribution. The efficiency of this system makes possible the present brisk market for farm timber.

THE PRINCIPAL MARKETING PROBLEMS

Some of the more favorable aspects of the present marketing system are due to the presence of a certain degree of organization within the wood-using industries. That this organization sometimes works against the timber owner by reducing competition among buyers or by artificially influencing timber prices is also true. However, a much more serious handicap to farmers is the unbusinesslike way they enter timber lease negotiations. Many conclude a transaction without knowing the volume of timber they are selling or its quality, and by selling to the first bidder they even prevent the chance that the working of the free market will establish a fair price.

Farmers' Lack of Knowledge of Timber Value

The average farmer has little experience in selling timber. Nevertheless, each time he sells he must bargain with men who may buy six or more tracts a year and whose living depends on their skill in appraising timber values. To partially overcome his disadvantage, the farmer knows or can find out what prices are being paid for timber similar to his in the vicinity. If he then obtains a reliable estimate of how much timber he has, he can start negotiating with fair assurance that he won't do too badly. Failure to obtain a volume estimate weakens his bargaining position right at the start by making a lump-sum transaction unsafe. Thus, he either limits the bidders to those willing to pay on the basis of the volume of products removed or blindly gambles that the best lump-sum offer represents fair value. He is totally unable to judge lump-sum and per-thousand or per-cord bids together and select the highest. Yet only about 20 percent of the 1947 sellers had their timber cruised, and it was apparent that some had not even bothered to determine what the current prices were. To protect themselves from excessive losses, a few abandoned all hope of obtaining competitive bids by selling to an operator with a reputation for honesty at his price.

Farmers' Failure to Bargain Effectively

The cases just mentioned were not the only ones in which sellers threw themselves entirely on the buyers' mercy. There were also many less extreme examples of lack of enterprise on the seller's part. In nearly 60 percent of the sales there was only one bidder, and in nearly 45 percent, the buyer set the price. As might be expected, the price was usually low. It was not much higher when the result of haggling between the seller and a single potential buyer, and was only average when set by the seller. By contrast, when two or more bids were received and the sale was made to the high bidder, the price was usually above average. There was evidence that most sellers could have received more than one bid if they had not been so hasty in closing the sale.

Forced Sales

Timber is a fairly stable asset which is ordinarily easy to liquidate. For this reason, farmers often hold it as a reserve to cover an anticipated future need for funds. Thus, a tract may be set aside to pay off a mortgage, to put children through college, or to furnish income in one's old age. Or, it may be considered as a reserve against illness, crop failure, or any other event that might reduce income. The chief disadvantage to these plans is that the timber is not sold when and in such a way that it brings the best price. The occurrence of the need for funds, rather than the condition of the timber market, usually determines the time of selling, and the seller's impatience to complete the transaction works to the buyer's advantage.

Need of money was the motive behind approximately 30 percent of all timber sales in Monroe County in 1947. Timber demand and prices were near the peak, so it was a favorable time to sell. But, apparently, the eagerness of the sellers for a quick turnover made them prone to seize upon the first reasonable offer. Half of them sold on the first bid, and the group as a whole received less than average for its timber.

Tendency toward a Uniform Price

One notable characteristic of forest products marketing in Monroe County is the comparatively narrow range of prices received for saw timber. Seventy percent of the saw timber sales brought from $8 to $13 per thousand, and 94 percent fell between $6 and $14. To a certain extent this reflects the absence of any large volume of high-grade timber, but timber quality is not nearly so uniform as the prices would indicate. There is a great deal of difference, for example, between the pine of the upland old fields and that of the pine-hardwood forests on the lower slopes. The former is typically short-boled and knotty with rapid taper, while the latter produces two or three fair to good quality logs per tree. Even the two or three sales involving old-growth timber brought but little more than the average price. Yet, there was no evidence of a buyers' conspiracy to fix prices.

There appear to be two explanations of this tendency toward uniformity. The first is the existence of a one-product lumber market in the County. Probably 85 percent of the pine logs are sawed into roofers with a flat mill-run value of $42 to $46 per thousand board feet. Most of this lumber is disposed of to the concentration yards. There it is surfaced and separated into two grades. The first will be sold in the general lumber market as roofers; the other consists of rejects to be sold locally for rough construction.

The price received by the sawmills for their output is thus based on the general market demand and price for roofers, the local supply of roofer material, and the average yield of roofer-quality lumber at the concentration yard. Some of the larger and more dependable producers enjoy a slight advantage, more or less in the nature of a bonus, but most of the sawmill operators receive the same price. Therefore, the maximum amount they can afford to pay for stumpage should depend largely on their operating efficiency and upon how small a margin they are willing and able to operate. A comparison of the average prices paid by various operators in 1947 seems to indicate that this was indeed the case. In the southwest portion of the County, for example, several of the operators were farmers who employed their regular farm laborers seasonally on sawmill work. With hardly an exception, they paid less for timber than the more efficient full-time lumbermen. The second explanation of the tendency toward uniform prices is the fact that there was competitive bidding in only 40 percent of the sales. In the remaining 60 percent, the seller negotiated with one buyer exclusively until a mutually agreeable price

was set. The price most likely to appeal to both parties would logically be one closely approximating the average of recent sales in the vicinity. Therefore, it seems likely that one sale serves as a precedent for another in many cases until, eventually, more or less of a standard price for non-competitive sales is set.

Poor Market for Hardwoods

Although Monroe County timber is chiefly pine, many farms contain an appreciable volume of hardwoods. In certain areas there is quite a bit of hardwood saw timber--mostly sweetgum and water oaks. Elsewhere, yellow-poplar and sweetgum are a component of pine stands on the better sites. All of the hardwoods were cut to some extent during the war, but there is little market for them at present. On pine logging operations, the better yellow-poplar trees are cut and sawed into roofer lumber along with the pine. And there is, of course, a limited demand for both yellow-poplar and sweetgum trees of veneer quality. However, many farmers complained of their inability to find buyers for their hardwood timber. There were also frequent misunderstandings between sellers and buyers as to whether or not the hardwoods in mixed pine-hardwood stands were to be cut and paid for along with the pine. Due to the repeated culling of these stands for pine alone, the hardwood component is on the increase, and instances of complete conversion to hardwoods are not uncommon.

Improper Cutting Practices

Encouraging an influx of comparatively worthless hardwoods into stands chiefly valuable for pine is only one unfortunate result of present cuttings. Another of equal seriousness can be blamed on overcutting.

Much of the pine timber now grows on land formerly cleared for cotton or other crops. These areas were thinly sown with seeds wind-blown from trees standing along their edges. The seeds had to germinate on soil often already supporting a rank growth of weeds and grasses. For this reason, the resulting stands are usually badly understocked. The prevailing practice of clear-cutting them to a small minimum diameter again leaves them with an inadequate seed source to restock them, so the new stand is no improvement over the original. A system of partial cuttings could reserve some of the smaller but potentially more valuable trees for a later cut as well as enough large trees to assure adequate reseeding of the entire area. Yields would thus be increased in both volume and dollar value.

THE REMEDIES

All the marketing problems disclosed by the Monroe County study are solvable, at least in theory. How quickly and completely they could be solved in practice would depend primarily on the intensity of the effort. The following appear to be the most promising remedies:

Education

One of the greatest handicaps to be overcome is the average farmer's attitude toward his woodland. In the past, this woodland has produced a small income at irregular intervals, and he doubts whether the returns would be sufficiently increased by better forestry and more care in selling to justify the extra effort and expense. To convince him, timber management and marketing information and advice must be easily available and should be backed by practical demonstrations and assistance in his own woods. A small start has already been made. In 1948, for instance, state and federal foresters cooperating under the Norris-Doxey Act assisted southern woodland owners in the sale of over $3,000,000 worth of forest products. Some states have similar projects of their own as well. Supplementing these programs is the work of the extension services and of paper company and other private foresters. However, all these activities are still on a relatively small scale. Forest extension and farm forestry programs must be greatly expanded before adequate services will be available in every locality.

Fewer Forced Sales

The frequency of forced sales would undoubtedly be reduced as the educational program began to take effect. Farmers would come to recognize timber as a capital asset capable of producing regular income rather than as a reserve to be liquidated at need. The change-over could be speeded by the establishment of a system of forest credits, enabling the farmers to borrow money on their timber. Such a system would also help to promote better farm woodland management practices, for every mortgage would have to require certain minimum standards to protect the collateral.

Improved Marketing Methods

Surveys are needed to provide up-to-date information as to markets available, quality specifications, and prices. In the process, the specifications now in use for various products could be studied to determine their similarities and dissimilarities, as the first step in a long-term project to develop standard grades. There would also be an opportunity to analyze the relative efficiency of current marketing methods and the

possibilities for developing more efficient ones. In other words, surveys of present market outlets and practices would supply information of immediate value to farmers and the public foresters assisting them and, at the same time, would provide the basic data for later studies aimed at developing better and more orderly marketing processes than now exist.

Expanded Markets

As the caliber of farm woodland management improved, so would the quality of the timber offered for sale. This in itself would bring new markets within reach of the farmers. Further expansion of markets would appear to depend on the development of new forest products. The immediate task would be to discover new products and new processes to utilize material for which little or no market exists at present, e.g., low-grade hardwoods, and to develop higher uses for material already in demand, e.g., pine. Related studies would be aimed at increasing the efficiency of existing processes to make wood products manufacturing more profitable and to improve the quality of its products.

More Efficient Manufacture

Another promising field is research in the economics of the forest products industries. One phase might include studies of selling and manufacturing margins and their relation to consumer prices and the prices paid for stumpage. Such studies would reveal inequities or defects in the methods of distributing primary manufactured products that tend to limit raw material margins. Another phase might investigate the most efficient types and sizes of plants and the feasibility of various kinds of integrated production, e.g., plants able to utilize all the species and sizes in mixed timber stands, or plants able to both manufacture and remanufacture.

SUMMARY

Monroe County, Georgia, was selected as a sample county in which to make a case study of current farm timber marketing procedures and problems. Here, detailed information was obtained from the buyers and sellers for all 1947 timber sales. Of 104 completed that year, 82 were of farm timber. They included 80 percent of the saw timber, nearly 50 percent of the veneer timber, and practically all the pulpwood stumpage sold.

The marketing system under which the sales were made has numerous faults from the standpoint of the farm timber owner, but it also has certain advantages. For instance, nearly every farmer can find a buyer in his immediate neighborhood who is willing to buy and operate small tracts. The existence of so many buyers and operators is facilitated by the

concentration yards, pulpwood dealers, box plants, and others who supply advice and financial assistance. Finally, production by many small portable units is generally suited to the character of the timber. The principal defects of the marketing system are (1) a poor market for hardwoods, (2) heavy cutting which keeps forest productivity at a low level, and (3) the tendency for the prices of most sales to be more uniform than the quality of the timber.

Analysis of the prices received in 1947 showed that they varied according to the species composition and the size, quality, and accessibility of the timber. Size of tract and volume per acre, on the other hand, appeared to have no effect. Prices also varied according to the end use. Box manufacturers, for example, paid more for saw-timber stumpage than did the lumbermen. However, the outstanding factor influencing price was the relative bargaining ability of the buyers and sellers, for most timber sales were individually negotiated without benefit of an organized market or an established price. Since the average farmer makes only two or three such sales during his lifetime, he enters these transactions at a serious disadvantage.

In Monroe County, farmers often handicapped themselves further by (1) entering negotiations without knowledge of either the volume or quality of the timber they offered for sale, (2) failing to encourage competitive bidding, and (3) managing their timber, not as an income-producing asset, but as a reserve to be liquidated whenever a need for money arose.

To remedy the conditions in Monroe County which now limit farmers' returns from their timber, the following measures are indicated:

1. Expand forest extension activities and farm forestry programs to make timber management and marketing information and advice generally available to farmers.

2. Studies aimed at developing better and more orderly marketing processes than now exist. As a by-product of its early phases the program could provide the action agencies with the data they need as to markets available, quality specifications, and prices.

3. Develop new markets through forest products research.

4. Increase the efficiency of existing processes to make wood products manufacturing more profitable and improve the quality of its products.

5. Reduce the necessity of forced sales by establishing a system of forest credits.

APPENDIX

PLAN OF STUDY

TYPICAL FORM OF LUMP-SUM TIMBER LEASE

RECOMMENDED FORM OF TIMBER LEASE

PLAN OF STUDY

A county was selected in which the timber types and timber quality, the methods of selling farm timber, and the products produced from farm timber were believed to be representative of a broad surrounding area. Within this county, case studies of individual sales of standing timber and other forest products were made. The aim was to trace all transactions which were completed during the most recent calendar year, 1947 in this case. By interviewing the buyer and seller in each sale the following information was collected and verified wherever possible: the volume of forest products which changed hands in terms of the footage of lumber sawed, the scale of logs removed, etc.; the total sales price; a description of the timber or other products sold; the conditions leading to the decision to sell or buy; how the negotiations were started and concluded; the terms of sale; the degree of utilization; the primary products manufactured and their disposition; and the satisfaction or dissatisfaction of the two parties with the outcome of the transaction. Notes were also taken as to possible alternative methods of sale and why they were not adopted. It was hoped that analysis of the case studies would disclose the principal factors tending to limit the sellers' returns, the relative importance of those factors, why they exist, and whether or not they are susceptible to correction. The primary interest was in farm sales, but the same information was obtained for sellers other than farmers to afford a comparison.

The analysis consisted of separating the data into groups of like products and testing each group for possible relationships between sales realization and the physical or economic circumstances of the sale. Needless to say, it is extremely difficult to draw any exact conclusions from case study data gained entirely through interviews and involving so many variables. The interview method is always subject to bias and affords no precise evaluation of such factors as timber quality, while inter-correlations among the variables tend to obscure the true relationships. To partially overcome the last objection, it was sometimes possible to analyze the variables in pairs, varying one while holding the other constant. The field methods employed did not seem sufficiently refined or systematic to warrant a detailed statistical analysis. However, future case studies could be designed with this in mind.

TYPICAL FORM OF LUMP-SUM TIMBER LEASE

State of Georgia, Monroe County

This indenture, made the _____ day of _____ between _____, party of the first part, and _____, party of the second part,

Witnesseth: That the said party of the first part, in consideration of the sum of $_____, cash in hand paid, the receipt of which is acknowledged, has bargained, sold, aliened and conveyed, and by these presents does bargain, sell, alien and convey, unto the said party of the second part, heirs, successors and assigns, all of the following described property, rights and privileges:

All of the saw timber and trees that will measure eight inches and over across the stump, twelve inches from the ground, at the time of cutting, standing, growing or being on the following described lands:

All that tract or parcel of land .....

The grantor reserves from the above described land a tract .....

Said party of the second part shall have the right to use and occupy areas on said land convenient for the cutting, logging, processing and removal of said timber and trees, and for the location of train ways, roads, mill locations, and sites for stacking and storing lumber and other products from said trees and timber; to the use of water on said land; to erect and later remove such buildings as may be convenient for the purposes of this contract; to use said timber and trees for any purpose desired; the right to ingress and egress and to enter upon said land with such men, vehicles and machinery as may be desired; and to do such other things as are usual and customary in a contract of this kind. No damage shall be done to growing crops or fences without just compensation therefor. All the property, rights and privileges herein mentioned and conferred shall be assignable. The words "party of the first part" shall include all parties signing this contract, and they shall represent and warrant they are sui juris; and the words "party of the second part" shall include all of the grantees, lessees and purchasers herein.

The said party of the second part shall have the same for the term of _____ years from _____ in which to exercise all the rights and privileges herein mentioned, without additional charge; and for such additional time, not exceeding _____ years, as may be desired, upon the payment to the party of the first part, heirs, successors or assigns, of the sum of _____ dollars, per year, for each additional year so used, to be paid at the beginning of such additional year. The limitation of time shall be tolled during any litigation involving the premises or a title situation as may involve party of the second part in litigation through no fault of said party.

To have and to hold the said bargained property, rights and privileges unto the said party of the second part, heirs, successors and assigns, in fee simple. And the said party of the first part, for himself, heirs, successors and assigns, unto the party of the second part, heirs, successors and assigns, shall and will and does warrant and defend the title to the property, rights and privileges herein given against the lawful claims of all persons.

Witness the hand and seal of each of the first parties hereto, and the delivery of these presents, the day and year first above written.

_____ (Seal)

Signed, sealed, and delivered in the presence of:

_____ (Witness)

_____ (Notary)

RECOMMENDED FORM OF TIMBER LEASE[1]/

_____, _____, of _____, _____,
(I or we) (Name of Purchaser) (Post Office) (State)
hereinafter called the purchaser, agree to purchase from _____, of
(Seller's Name)
_____, _____, hereinafter called the seller, the
(Post Office) (State)
designated trees from the area described below.

I. Description of Sale Area:
(Describe by legal subdivisions, if surveyed, and approximate, if not)

_____

_____

II. Trees designated for cutting: (Cross out A or B -- use only one clause)

A. All _____ trees marked by the seller, or his agent, with paint spots below
(Species)
stump height; also dead trees of the same species which are merchantable for
_____.
(Kind of forest products)

B. All _____ trees merchantable for _____ which meas-
(Species) (Kind of forest products)
ure _____ inches or more outside the bark at a point not less than 6 inches above the ground; also other _____ trees marked with paint spots below stump height by the
(Species)
seller or his agent.

III. Conditions of sale:

A. The purchaser agrees to the following:

1. To pay the seller the sum of $_____ for the above-described trees and to make payments in advance of cutting in amounts of at least $_____ each.
2. To waive all claim to the above-described trees unless they are cut and removed on or before _____.
(Date)
3. To do all in his power to prevent and suppress forest fires on or threatening the Sale Area.
4. To protect from unnecessary injury young growth and other trees not designated for cutting.
5. To pay the seller for undesignated trees cut or injured through carelessness at the rate of $_____ each for trees measuring 10 to _____ inches in diameter at stump height and $_____ each for trees _____ inches or over in diameter.
6. To repair damage caused by logging to ditches, fences, bridges, roads, trails, or other improvements damaged beyond ordinary wear and tear.
7. Not to assign this agreement in whole or in part without the written consent of the seller.

B. The seller agrees to the following:

1. To guarantee title to the forest products covered by this agreement and to defend it against all claims at his expense.
2. To allow the purchaser to use unmerchantable material from tops of trees cut or from trees of _____ species for necessary logging improvement free of charge, provided such improvements are left in place by the purchaser.
3. To grant the freedom of entry and right-of-way to the purchaser and his employees on and across the area covered by this agreement and also other privileges usually extended to purchasers of stumpage which are not specifically covered, provided they do not conflict with specific provisions of this agreement.

C. In case of dispute over the terms of this agreement we agree to accept the decision of an arbitration board of three selected persons as final. Each of the contracting parties will select one person and the two selected will select a third to form this board.

Signed in duplicate this _____ day of _____ 194 ___.

_____
(Purchaser)

_____
(Witnesses)

_____
(Seller)

_____
(Witnesses)

_____

1/ From "Managing the Small Forest," USDA Farmers' Bulletin No. 1989, May 1947.

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STATION PAPER NO. 4 SEPTEMBER 1, 1949

MARKETS FOR FOREST PRODUCTS IN SOUTHEAST GEORGIA

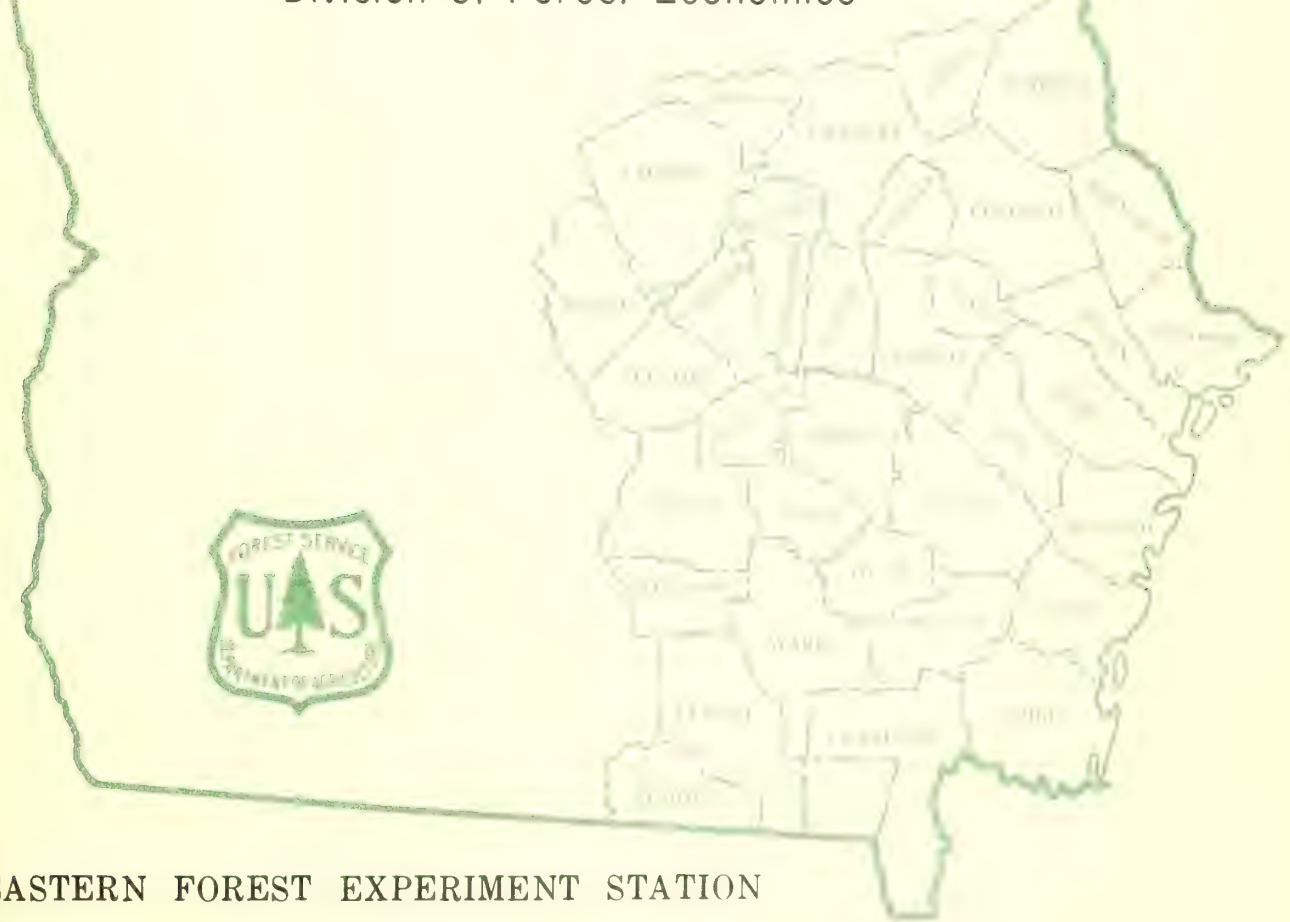
by

John J. Zirkle, Jr.

and

Arthur S. Todd, Jr.

Division of Forest Economics



SOUTHEASTERN FOREST EXPERIMENT STATION

ASHEVILLE, NORTH CAROLINA

I. T. HAIG, DIRECTOR

Foreword

The purpose of this publication is to indicate the forest products for which markets exist, the relative prices paid, the general specifications under which they are purchased, and who buys them in each locality. The information presented was obtained from a county-by-county canvass of buyers conducted in March and April, 1949, under Title II, Section 203, of the Research and Marketing Act of 1946.

Work of this kind was approved as Project 5, which authorizes "research on the markets and prices for farm forest products." A companion report, "Markets for Forest Products in Southwest Georgia," was released as Station Paper No. 1 in May 1949. The authors take this opportunity to thank all the buyers, plant owners, and managers whose cooperation made these publications possible.

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MARKETS FOR FOREST PRODUCTS IN SOUTHEAST GEORGIA

INTRODUCTION

The harvesting and primary manufacture of forest products occupies a prominent place among Georgia industries. In 1944, over 65,000 persons were so employed with almost 70 percent in the lumber, veneer, and pulpwood fields. The remainder were engaged in the production of a variety of products such as naval stores, poles, piling, and implement handles. In addition, since nearly half the forest area is on farms, many farmers devote part of their time to the production of woods products, particularly fence posts and hewn cross ties. The individual forested holdings that make all this activity possible are predominantly small; the farm woodlands, for example, average only 76 acres each.

Southeast Georgia is an important producing area. It is characterized by a greater proportion of large forest ownerships than other portions of the State. This is especially true of the coastal counties, which contain extensive unbroken areas of timber and comparatively little agriculture. Of the existing farms, a high proportion have woods (Table 1), and the average acreage of woodland per farm with woods is 140. The ownership pattern of the inland counties is more typical of the rest of Georgia, but here again the individual holdings are large; for example, there are 110 acres of woodland per farm.

Table 1.--Relative importance of farm woods in the coastal and inland counties of Southeast Georgia.

Area	Counties	Total forest	Forest on farms	Farms	Farms with forest
	Number	Acres	Percent	Number	Percent
Coastal	1/ 13	3,835,600	17.1	6,804	68.6
Inland	2/ 22	3,780,200	56.6	33,709	57.7

1/ Brantley, Bryan, Camden, Charlton, Chatham, Clinch, Echols, Glynn, Liberty, Long, McIntosh, Ware, and Wayne Counties.

2/ Appling, Atkinson, Bacon, Bulloch, Candler, Coffee, Dodge, Effingham, Emanuel, Evans, Jeff Davis, Jenkins, Johnson, Laurens, Montgomery, Pierce, Screven, Tattnall, Telfair, Toombs, Treutlen, and Wheeler Counties.

According to the Census of Agriculture, about 21 percent of the wooded farms sold forest products in 1944. This would seem to indicate that the average timber owner makes a sale from his woods every five years. However, this is not the whole story, for a high proportion of

the sales are of naval stores gum, the only important forest product that is ordinarily harvested annually. It is also the only rough forest product that is sold in a highly organized market. Products other than gum are seldom sold at intervals shorter than 12 or 15 years either by farmers or other small landowners. Thus, the average owner has only three or four opportunities during his life to sell the products which require the most in marketing skill and experience. As a result, he may not be able to appraise the suitability or value of his stand for the various products and probably is not aware of all the markets available to him.

The directories in this booklet showing markets are as complete as they could be made with the men and money available. Sawmills that buy only stumpage are omitted, because there are so many, and because most of them purchase timber by the boundary for a lump sum and operate in localized areas where they are well known. However, there are a few mills that purchase sawlogs in the open market, and these are included in the listings. Pulpwood producers are also purposely omitted since, for many, pulpwood production is not a principal occupation but secondary to some other livelihood such as logging, farming, or trucking. Moreover, many of the producers operate as contract cutters, haulers, and loaders of timber purchased on the responsibility of a paper company or pulpwood dealer. The men listed in the directories are the dealers.

Omissions other than those mentioned are unintentional and reflect in no way on the plants or individuals left out. By the same token, inclusion in the directory does not constitute a recommendation.

PRICES

Certainly the most practical way to sell timber is to market the product which will net the largest return, without overcutting or otherwise impairing the opportunities for future sales. What that product may be will be determined by the quality, size, and species composition of the timber stand and by the markets which are available. Often it develops that sales of two or more products, such as poles and saw timber, or veneer logs and pulpwood, will yield a larger aggregate return than the sale of one average-quality product. Much of the farm woodland in Southeast Georgia lends itself to such combined sales, but to take advantage of this fact the owners must determine what products their individual stands are capable of producing, the location of markets for such products, and the price each prospective buyer will pay.

Table 2 on pages 4 and 5 lists the average prices that were paid for various species and products in February 1949. Since then, a slackening demand for many finished wood products and the presence of increasing amounts of timber on the market have caused a reduction in the prices being offered for stumpage and rough forest products. It should also be remembered that stand quality, topography, length of haul, and other physical factors all exert an influence on the price a buyer can afford to pay. For these reasons, the chief usefulness of the prices shown is for comparing products and species.

PRODUCTS AND SPECIFICATIONS

There are no standardized and universally accepted specifications for timber or any of the rough forest products produced and sold in Southeast Georgia. The nearest approaches are the American Standards Association specifications for communication and power poles (see Appendix) and the American Railway Engineering Association specifications for cross ties, but even these are frequently modified to suit the needs or preferences of individual buyers.

The lack of uniformity is especially conspicuous in the various specifications for logs. Few if any lend themselves to precise definition. so much depends on the judgment of the individual scalers and graders. As a result, replacing the grader at a log-buying plant is almost certain to produce a change in the grading standards. To further complicate the situation, it is customary to relax or tighten the standards as market conditions change rather than to vary the volume of purchases by grades. Thus, with the present trend back to a buyers' market for lumber, veneer, and other log products, many plants still buy the same proportion of Number Two logs as a year ago. However, they are now down-grading some logs which would have been accepted as Number Ones at that time and are rejecting some logs which would have been classed as poor Number Twos.

Generalized specifications for most of the principal forest products are summarized in the following pages. In most cases, they are averages of those in use during April of this year and are presented to assist in judging for what products a tract of timber is suited. But, considering how specifications may vary both from plant to plant and from time to time at the same plant, it is unsafe to cut any forest product without a firm order and a thorough understanding of the customer's requirements.

SAWLOGS

According to the most recent census, that of 1947, there were 433 sawmills in operation in Southeast Georgia. Their production totaled 298 million board feet of which 263 million board feet or 88 percent was softwoods, chiefly pine. Logs are obtained principally from leased timber which is cut by company or contract crews. At present, only 10 percent of the operators make a general practice of buying cut logs, and very few of them are dependent on their open-market purchases. Nevertheless, they bought 36 million board feet in 1948.

Specifications vary considerably from mill to mill and also from time to time at the same mill depending upon the grades and sizes of lumber in demand. When the market for low-grade boards and structural dimension was booming during and immediately following the War, most mills were glad to take woods-run logs of almost any description. During the past year, however, there has been a gradual tightening of log specifications, and log grading is more commonly practiced. At present, about one-half of the buyers employ some sort of grading system; the rest still buy woods-run.

TABLE 2.—AVERAGE PRICES PAID FOR STANDING TIMBER, LOGS,

Product	Basis of payment	Cypress	Yellow pine	Dead heart cypress and pine	Ash	Black and tupelo gums
		Dollars	Dollars	Dollars	Dollars	Dollars
Cross tie stumpage	Per tie	.48	.39			.29
Fence post stumpage	Per post		.02	.03		
Piling stumpage	Per lineal foot		.16			
Pole stumpage	Per pole		(1/)			
Pulpwood stumpage	Per standard cord		2.73			2.06
Veneer stumpage (commercial)	Per M bd. ft. Doyle		9.00			14.32
Veneer stumpage (package)	Per M bd. ft. Doyle					11.20
Box cleat bolts	Per 168 cu. ft. unit (del'd.)		17.00			17.00
Felt wood (for roofing felts)	Per standard cord (roadside)		11.00			11.00
Fence posts	Per piece (del'd.)		2/.09	.27		
Furniture dimension logs	Per M bd. ft. Doyle (del'd.)				3/50.00	4/55.00
Handle and ski logs	Per M bd. ft. Doyle (del'd.)				3/55.00	
Hewn cross ties	Per piece (at R. R.)	(6/)	(7/)			(8/)
Piles	Per lineal foot (f.o.b. cars)		(9/)			
Poles	Per piece (f.o.b. cars)		(10/)			
Pulpwood	Per standard cord (f.o.b. cars)		10.75			10.32
Sawlogs-Grade 1	Per M bd. ft. Doyle (del'd.)	49.85	43.45		40.00	37.18
Sawlogs-Grade 2	Per M bd. ft. Doyle (del'd.)	28.11	30.38		25.00	26.39
Sawlogs-Woods-run	Per M bd. ft. Doyle (del'd.)	45.67	37.34		39.30	33.39
Shuttle bolts	Per standard cord (f.o.b. cars)					
Veneer logs (commercial)-Grade 1	Per M bd. ft. Doyle (del'd.)		50.00			52.42
Veneer logs (commercial)-Grade 2	Per M bd. ft. Doyle (del'd.)		35.00			38.18
Veneer logs (package)-Grade 1	Per M bd. ft. Doyle (del'd.)	40.00	43.19			43.55
Veneer logs (package)-Grade 2	Per M bd. ft. Doyle (del'd.)	23.00	23.29			23.89
Veneer logs (package)-Woods-run	Per M bd. ft. Doyle (del'd.)		37.50		35.45	38.31

1/ Ranges from $0.30 to $25.43 depending on class and length of pole.

2/ Applies to "running" posts 6½ feet long and up to 6 inches in diameter. Corner posts 8 feet long and 6 to 8 inches in diameter average $0.29 each.

3/ Grade 1 logs only.

4/ Applies to Grade 1 only. Grade 2 logs average $25.00 per thousand board feet.

5/ Woods-run logs.

BOLTS, ETC., BY PRODUCT AND SPECIES, FEBRUARY 15, 1949.

Dogwood	Elm	Hickory	Magnolia	Maple	Oak	Persimmon	Sweetbay	Sweetgum	Sycamore	Yellow-poplar
Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
					.22			.26		
			2.06	2.06	1.33		2.06	2.06		2.06
			14.32	9.00			14.32	14.32	9.00	14.32
	11.00		11.20	11.20			11.20	11.20	11.00	11.20
			17.00	17.00			17.00	17.00		17.00
					11.00			11.00		11.00
				4/ 55.00						
		3/ 65.00			5/ 35.00					
					(8/)			(8/)		
			10.32	10.32	10.22		10.32	10.32		10.32
	40.00		39.11	40.00	36.67		45.71	41.30	40.00	48.35
	25.00		24.44	25.00	25.00		30.71	27.61	25.00	27.06
	35.00		38.33	36.84	36.42		37.94	34.13	32.38	35.61
40.00						30.00				
			46.58	53.47			53.82	53.97	53.00	54.65
			30.53	28.47			35.05	35.15	28.00	32.13
			46.67	46.14			46.67	42.81	41.50	46.48
			23.00	24.33			23.00	23.24	25.00	23.83
	35.00		38.82	39.69			38.43	38.90	40.00	38.26

6/ Ranges from $0.90 for a Size 3 to $1.50 for a Size 5.

7/ Ranges from $0.75 for a Size 2 to $1.45 for a Size 5.

8/ Demand uncertain and prices highly variable, averaging approximately same as for pine.

9/ Ranges from $0.18 to $0.30 depending on specifications.

10/ Ranges from $1.00 to $50.85 depending on class and length.

Woods-run logs must ordinarily be at least 10 inches in diameter inside bark at the small end, although some mills accept them as small as 6 inches. Lengths start at 10 or 12 feet plus a 4-inch allowance for trim and increase by 2-foot multiples. Maximums range from 16 feet to tree lengths. Holes not exceeding 3 inches in diameter are usually permitted, as is hollow heart up to 4 inches. Rules as to the acceptability of turpentine faces vary, from mills that accept none to those insisting only that faces be sound and free of metal such as tins, nails, and wire.

When sawlogs are purchased on grade, two grades are commonly recognized. The specifications are extremely variable, but a Grade One log must usually be 12 or more inches in diameter, straight, and with no more than two or three 3-inch knots or their equivalent in other rough defects. Checks, splits, shake, and holes are not admitted, but a small hollow heart may be. A Number Two is any log that does not qualify as a Number One but meets the woods-run specification given above.

Scaling is usually according to the Doyle Rule, but a number of sawmills in the Brunswick-Jesup-Waycross area use the Two-Thirds or Seven-Tenths Rule, while others buying tree lengths near the Florida line use the Preston. The Scribner Rule, which is rather frequently encountered in Southwest Georgia, is scarcely used at all, and only two operators were found who bought by International scale.

To avoid the necessity of scaling each of the logs in tree lengths, it is customary to assume standard rates of taper or "rise" and to take only one diameter measurement either at the end or center of the tree. A common procedure is to allow a rise of 1 inch in every 10 feet, which is sometimes increased to 2 inches for trees exceeding a certain length (usually 40 or 50 feet).

There are also various methods of adjusting log rules for the expected overrun. One operator employs what he calls "square measure," which is the Seven-Tenths scale plus 5 percent for logs less than 16 feet long or plus 10 percent for logs 16 feet and longer. Another applies the Doyle Rule to logs 15 inches and larger in diameter and adjusted Scribner values to smaller logs.

Most logs are purchased delivered to the mill, but some of the larger companies permit f.o.b. rail shipments from specified loading points. In such cases, the f.o.b. and delivered prices are often the same.

VENEER TIMBER AND LOGS

With several large river bottoms (notably the Altamaha, the Ogeechee, and the Savannah) that still contain a substantial volume of old-growth hardwoods, Southeast Georgia supports a large veneer and plywood industry. Twenty-three plants, 13 local and 10 outside, draw all or part of their logs from the area. Among them are some of the largest in the eastern United States. In 1948, these mills consumed over 62 million board feet of

logs, 55 percent of which went into high-grade furniture and panel veneers, while the remainder produced veneer for wire-bound boxes, baskets, and hampers. The principal species were black and tupelo gums, followed in approximate order of importance by sweetgum, maple, yellow-poplar, sweetbay, and magnolia. Most of the commercial veneer plants restrict their purchases to a few species, often just the gums. The package veneer plants, on the other hand, are able to utilize most of the so-called soft-textured hardwoods and occasionally even elm and sycamore.

Unlike sawmills, all the veneer plants buy cut logs and, in many cases, organize logging crews of their own only when open-market sources of supply prove inadequate. At present, company logging operations probably account for considerably less than one-half of the logs consumed, and the trend is toward further reducing this proportion. Chief reliance is placed on professional loggers who can provide a steady, year-round flow of logs, but many mills welcome logs from landowners who are also competent loggers, and a few even offer pick-up trucking services at cost.

Companies and loggers who buy standing veneer timber are in search of old-growth bottomland or swamp species primarily, but good-quality second growth is not barred. Since lowland logging is expensive, veneer men are even more concerned than other timber buyers with the volume of usable material per acre, and this is a prime factor in determining the merchantability of a tract and the price that can be paid for it. Dense, accessible stands of good-quality timber are at a premium, almost regardless of their distance from the nearest mill.

Veneer logs are bought on two grades at most of the plants, and the specifications for these grades are essentially the same for both commercial and package veneer. In general, a Grade One log must be at least 14 inches in diameter inside bark at the small end, reasonably straight, and clear of knots or other surface irregularities. Holes are not permitted, but hollow heart up to 3 inches in diameter is not considered a defect and is seldom deducted from the scale. A few mills employ over-sized lathe chucks and accept even larger hollows when a worthwhile collar of sound, clear wood surrounds them. The specifications for Grade Two are similar except they admit 12-inch logs and logs with as many as three knots not over 3 inches in diameter. A few buyers also recognize a Grade Three consisting of logs too poor for veneer, which are sawed into box cleats, basket bottoms, and occasionally into core stock. At mills which buy woods-run, the minimum specifications approximate those for Grade Two.

Acceptable lengths vary from plant to plant and are likely to change at the package plants whenever production is shifted from one item to another, as from small boxes to large crates. Most veneer mills buy short blocks cut to size ready for the lathe, as well as logs. These blocks are commonly 54, 56, or 58 inches long but may be either shorter or longer depending on the product. Short logs are usually cut in multiples of the block length, while longer logs may be bucked like sawlogs into 12-, 14-, 16-, 18-, and 20-foot lengths. A few package plants buy tree lengths.

Veneer logs are usually scaled according to the Doyle Rule, but the Doyle-Scribner is used at one or two mills. In scaling tree lengths by the Doyle Rule, only one diameter measurement is taken, and rules-of-thumb are depended upon to approximate the taper. One plant applies the scale without adjustment to all logs 19 feet and shorter and allows the scale plus 12½ percent for logs 20 to 24 feet inclusive. For still longer lengths, the additions are as follows: 15 percent for 25 to 28 feet, 20 percent for 29 to 33, 25 percent for 34 to 38, and 30 percent for 39 to 60.

Payment is customarily on a "delivered" basis, but several plants accept rail shipments in carload quantities.

PULPWOOD

Five of the seven pulp mills in the State are located in Southeast Georgia. The other two, as well as six mills in adjoining states draw a portion of their wood supply from the area, which produced 757,000 standard cords of pulpwood in 1948. Almost 92 percent of this was pine. The main products are kraft paper, bags, and boards, but dissolving pulp, insulator board, and roofing felts are also manufactured.

Pulpwood timber is marketed in several ways, the most common of which is the sale of a boundary of timber for a lump sum. Also common is the practice of selling at a set rate per cord of wood removed. Under this set-up the timber owner is usually paid at the end of each week or month for the wood cut from his stand and shipped to the mill during that period. The authority on the amount of wood to be paid for is the mill's wood procurement division, which inspects and measures each barge, truck, or railroad car as it is received. Sales of land and timber are also frequent, since most pulp companies have well-developed land acquisition programs.

All the mills use a contract system to procure their wood. This consists of dividing the drawing territory into sub-areas, each of which is assigned to a contractor. In some cases, this individual is a salaried employee of the company, called an area manager, but more often he is an independent "dealer" working on a commission basis. It is his responsibility to supply the mill with a certain quota of wood each week. The dealer in turn lines up such producers as he needs and places each of them on a quota. Use of this system tends to assure a steady supply of wood and enables the mill to increase or decrease the rate of deliveries on comparatively short notice.

From the foregoing it may be seen that a landowner who desires to cut only his own timber must nearly always deal through a middleman rather than directly with the pulp company. Usually, he cuts and stacks the pulpwood in pens in the woods or in ricks along a road, where a producer or dealer purchases it. Or, if he has sufficient labor and equipment, he may operate as a sub-producer, cutting and hauling his wood as a part of some producer's quota.

Specifications for pulpwood are fairly uniform. Pine bolts must be not less than four inches in diameter inside bark at the small end, while the minimum diameter of hardwoods is five inches. Maximum diameters vary according to the size of the chippers at the mills, but bolts larger than 14 inches are seldom cut, as they are too heavy for loading crews to handle easily. The standard bolt length is 63 inches, although wood to be loaded in box cars or on flat cars is sometimes cut 60 inches. Bark is left on and should be tight, meaning that wood should ordinarily reach the mill within 30 days after it is cut. Knots and limbs must be trimmed flush and ends must be sawed square. Rotten, crooked, or forked sticks are not accepted. Most mills accept bolts with turpentine faces if the faces are sound, unburned, and free of metal. Two units of measure are employed. One, a stack of 63-inch wood 4 feet high, 8 feet long, and containing 168 cubic feet, is called a "unit." The other is the standard cord of 128 cubic feet. Which is used is immaterial, since prices based on the unit are proportionately larger than those based on the cord.

Trees 6 to 12 inches in diameter are preferred for pulpwood. However, pulpwood dealers and producers are usually ready to bid for saw timber and even poles where these classes of material occur in stands which also contain pulpwood sizes.

POLES AND PILING

Poles and piling are cut exclusively from pine. Only the best quality trees are suitable and, as these rarely occur in quantity through the average stand, boundary purchases of timber are seldom made for these products unless the buyer is also interested in other products such as saw timber or pulpwood. Pole stumpage is usually bought by the tree for 30 to 50 percent of the f.o.b. cars price for the peeled pole. Piling generally is paid for by the lineal foot. However, some buyers purchase only poles which they later sort for piling. Detailed specifications for southern pine poles have been developed by the American Standards Association (see Appendix), but piles must nearly always be cut to individual orders.

The markets for poles and piling are the large treating plants. These concerns have buyers located in the area who purchase both stumpage and the cut products. Few carry on logging operations themselves, preferring to contract such work. A very rough estimate of Southeast Georgia's 1948 production would be 225,000 poles of assorted lengths from 35 to 90 feet and 600,000 lineal feet of piling. There are six plants drawing regularly from the area, and two of these are located there.

HEWN CROSS TIES

Southeast Georgia is one of the leading centers of hewn tie production in the South. Many ties are produced by farmers and other part-time operators. At present, there is a relatively poor market for ties.

and production has been curtailed, but this condition is generally believed to be temporary. The tie buyers are the large treating plants, tie brokers, and the various railroads.

Tie timber buyers ordinarily pay for stumpage at so much per tie produced, regardless of size. Prices for hewn ties are based on delivery to a railroad siding, with a premium paid if the producer loads the ties on a car. A few of the treating plants and some of the brokers purchase stumpage and either operate their own crews or contract the work. The railroads, on the other hand, usually prefer to purchase cut ties directly from a producer or broker for treatment at a custom plant.

Cross ties are graded for size rather than quality. These size grades are as follows:

Class 1	6 x 6 inches
Class 2	6 x 7 inches
Class 3	6 x 8 inches (or 7 x 7 inches)
Class 4	7 x 8 inches
Class 5	7 x 9 inches

The demand at present is for Classes 3, 4, and 5, but some railroads accept limited quantities of smaller ties. Standard-gauge lengths are 8, 8½, and 9 feet, but 8-foot ties are seldom produced except on special order. Between 8½- and 9-foot ties there is a 10-cent price differential.

Ties must be hewed from living trees. All bark must be removed, the ends must be sawed square, and the top and bottom surfaces must be parallel and reasonably flat. Rot, hollow heart, holes, wind-shake, and through-splits or checks are prohibited defects. Knots are permitted, but they must be sound, tight, and trimmed flush with the surface. Cypress tie cuts may be halved or quartered to yield more than one tie, but the heart must be boxed in all other species.

NAVAL STORES GUM

Southeast Georgia is the heart of the gum naval stores industry and contains the principal gum-producing counties of the South. At one time, the crude gum was processed at hundreds of small fire stills. In 1934, for example, there were approximately 500 of these plants in the area. Since then, however, they have been largely replaced by large steam distillation plants. At present, there are probably less than 50 fire stills in operation, and only five of these buy gum. Instead, there are 15 centrally-located steam stills in the area and 4 more in neighboring counties to the west that buy gum produced here. In 1948, these plants purchased nearly 900,000 barrels, drawing from Florida and Southwest Georgia as well as from Southeast Georgia.

Crude gum is generally purchased directly from the producer, who delivers it to the plant. Upon delivery it is weighed, graded, and paid

for on the basis of its expected yield in gallons of turpentine and pounds of rosin. The prices applied are the daily turpentine and rosin quotations of the Savannah Naval Stores Market. Yields of turpentine and rosin per pound of gum are relatively constant, varying only slightly either geographically or with the passage of time, so whatever fluctuations occur in the price of gum largely reflect changes in the Savannah Market. And, since all the plants base their prices on this market, their prices for any one day are very similar.

OTHER PRODUCTS

In addition to the products already described, there are a number of minor ones which deserve mention either because they are locally important or because they offer market outlets for species or classes of material that would not be salable otherwise.

Fence posts.--Seven treating plants located in Southeast Georgia and in adjacent counties to the west buy sap-pine fence posts in two standard sizes. The first size, known as a "running" post, is $6\frac{1}{2}$ feet long. Diameter specifications vary, ranging from a minimum of $2\frac{1}{4}$ inches to a maximum of 6, but most of the posts are 3 to 5 inches. The other size, used as a corner post, is 8 feet long and ranges in diameter from 5 to 8 inches. Purchases of standard posts at the seven plants probably reached 500,000 pieces in 1948, and special sizes purchased to fill orders for highway and other posts would undoubtedly bring the total to at least 650,000. Fence posts are customarily paid for by the piece even when purchased as stumpage.

A prominent industry developed in Clinch, Echols, and Ware Counties is the production of fence posts from "lightered" pine and dead heart cypress. The business is conducted on a rather informal basis, so no estimate of annual production exists. Local residents purchase the dead timber and cut the posts for sale locally or to buyers from other parts of the State. The sizes produced are roughly the same as for sap-pine posts, but most of these dead posts are split sections of large stems rather than round portions of small stems. Payment is by the piece for both stumpage and posts.

Box cleat bolts.--Cleats for wire-bound boxes are ordinarily resawn from lumber, but not always. Mention has already been made of the purchase of cull veneer logs for this purpose. There are also two package plants that buy bolt wood which they saw on specially-designed mills. The wood, purchased by the cord or unit, is cut in $5\frac{1}{4}$-foot lengths and is largely produced by loggers from the upper stems of veneer trees.

Small dimension logs and bolts.--One plant, in Liberty County, produces blanks for table legs and other furniture parts from blackgum and soft maple. The logs are purchased delivered in two lengths, 8 and 16 feet plus a trimming allowance of 4 inches per 8 feet, and are scaled according to the Doyle Rule. Two grades are recognized which are similar to those for veneer logs, except that logs as small as 10 inches are accepted.

A second furniture dimension plant, in Laurens County, buys ash bolts 3½ feet long and logs of the same species in 7- and 14-foot lengths (plus a 2-inch allowance for trim). Acceptable diameters are 8 to 30 inches inclusive, and the logs or bolts must have three clear faces with no knots on the fourth face exceeding 3 inches in diameter.

Another plant, located at Bainbridge, welcomes rail shipments from some points in Southeast Georgia. The items purchased are dogwood and persimmon bolts for shuttle blocks. These bolts are purchased by the standard cord in a variety of lengths ranging from 18 to 54 inches and must measure at least 4½ inches in diameter at the small end. All should be reasonably straight and show a clear spacing of 18 inches or more between defects or between defects and the ends of the bolt. A red heart or a hollow or doty center in a dogwood stick must be surrounded by at least 2½ inches of white wood.

Handle and ski logs.--Two handle plants are now obtaining logs from Southeast Georgia. One, located in Laurens County, buys oak in 3½-, 7-, and 14-foot lengths (plus a 2-inch trimming allowance) for broom and mop handles. The specifications are the same as those given above for ash dimension.

The other plant, which is at Valdosta, purchases ash and hickory logs in 6-, 8-, 16-, and 24-foot lengths and to a minimum diameter of 8 inches. Only the hickory logs are graded. The Number One hickory is sawed into ski blanks, largely for export to Europe, while the Number Two and all the ash are manufactured into handles for striking tools. The ash and Number Two hickory must be 75 percent surface-clear and with not more than two knots per 6 feet of length. Slight crook and occasional mineral stains or bird pecks are permitted. The Number One hickory must be 100 percent clear and straight-grained. Both ash and hickory are limited to a maximum of 17 rings per inch. Hollow heart up to 25 percent of the diameter at the small end of the log does not affect the grade but is scaled out.

Naval stores stumps.--A plant in Brunswick buys the stumps of old-growth longleaf and slash pines, which are commonly referred to as "fat pine," "lightered pine," or "lightwood," and extracts turpentine, rosin, and various pine oils from them.

Stump-land is appraised for purchase in terms of "standard" 500-pound stumps. In actual practice, of course, three or four average-size stumps may be required to make this weight. It is difficult to generalize, but any easily accessible area at least 25 acres in extent and with a minimum of one standard stump per acre is potentially merchantable either now or at some future time. To be accessible, the ground must be firm enough to support heavy trucks and the standing timber, if any, sufficiently open for the operation of bulldozers. Small tracts are usually purchased for a lump sum, while the stumps on the larger tracts are paid for on the basis of the tonnage removed.

INDEPENDENT LOGGERS

In addition to the purchasers of specific products, there is a large group of buyers that is not so easily classified. These companies and individuals are the independent loggers who purchase tracts of standing timber from which they log and sell a variety of cut products.

Many veneer plants depend entirely upon such men for their supply of raw material. Also, quite a few permanent sawmills supplement their own logging efforts with purchases of logs. Some loggers cut only one product, often contracting with a particular plant to furnish a certain volume of material each week or month, while others maintain contact with several markets, cutting and selling whatever products the stands they purchase will yield. This latter practice makes the independent loggers an excellent market for stands of mixed species and sizes.

The loggers whose names are listed in the directory are the ones whose principal occupation is the purchase and logging of standing timber. It does not contain the names of those who log under contract to timber owners. In many cases, the logger's name is listed only in his home county. Actually he may operate in several adjoining counties as well.

MARKETING ASSISTANCE AVAILABLE

The District Foresters of the Georgia Department of Forestry are prepared to assist the landowners of Southeast Georgia in appraising, marking, and marketing their timber. Their territories are as follows:

W. H. McComb, Box 268, Statesboro

Bryan, Bulloch, Candler, Chatham, Effingham, Emanuel, Evans, Jenkins, Liberty, Long, McIntosh, Montgomery, Screven, Tattnall, Toombs, Treutlen, and Wheeler Counties.

Olin Witherington, Box 169, Americus

Dodge County.

Charles M. Everett, Court House, Macon

Johnson and Laurens Counties

M. E. Nixon, Waycross

Appling, Atkinson, Bacon, Brantley, Camden, Charlton, Clinch, Coffee, Echols, Glynn, Jeff Davis, Pierce, Telfair, Ware, and Wayne Counties.

In addition, Alrick H. Antonie, Box 268, Statesboro, of the Division of State and Private Forestry, U. S. Forest Service, is available for assistance to timber owners.

Landowners can also call upon consulting foresters. The consultants listed below have been approved by the Society of American Foresters and have indicated they are available for work in this area. There are undoubtedly other local private consultants who could also render assistance.

E. P. Ahern, Allen, Alabama

Carolina Forestry Co., Inc., Box 341, Clinton, N. C.

Keith Cranston, 4th and Huddleston, Leland, Miss.

William E. Dunham, Southern Foresters, Savannah, Ga.

Forest Managers, Inc., 1406 First St., Neptune Beach, Fla.

E. C. Haff, 836 Edisto Avenue, N. W., Orangeburg, S. C.

William H. Haley, Box 343, Hazlehurst, Ga.

Giles G. Hall, 1212 Laurens St., Aiken, S. C.

Robert K. Knoth and Co., 39 Broad St., Charleston 3, S. C.

Langdale Timber Co., Box 2, Valdosta, Ga.

T. A. Liefeld, Gilbert Hotel Bldg., Thomasville, Ga.

William J. Mills, 530 Volunteer Bldg., Chattanooga 2, Tenn.

John G. Rawls Co., 408 Rogers Avenue, Macon, Ga.

A. P. Russell, 11 Maplewood Drive, Sumter, S. C.

Harold M. Sebring, Box 23, McRae, Ga.

Alexander L. Setser, Box 23, Norris, Tenn.

S. I. Somberg and H. L. Lesselbaum, Lane, S. C.

J. Atwood Whitman, Glendon, N. C.

SPECIES CODES USED IN BUYER DIRECTORIES

02. Cypress
04. Longleaf pine
05. Slash pine
08. All southern pines
09. Dead heart cypress and "lightered" pine
10. Ash
12. Beech
13. Birch
14. Cherry
17. Dogwood
18. Elm
19. Black and tupelo gums
20. Sweetgum
21. Hickory
22. Maple
23. Oaks
28. Persimmon
29. Sycamore
30. Sweetbay
32. Willow
33. Yellow-poplar
34. All "soft" pulping hardwoods: blackgum, sweetgum, maple, sweetbay, yellow-poplar, magnolia, etc.
35. Southern magnolia

FOREST PRODUCTS BUYERS BY PRODUCT

Names marked with an asterisk (*) accept rail shipments from certain points outside the territories shown on the list of buyers by county.

DIMENSION BOLTS AND LOGS

Name and P. O. Address	Species
Hardwood Mfg. Co.[1/] Box 24, Dublin	10
J. and J. Lumber Co., Allenhurst[1]	19 22
Medgentra Ltd., Bainbridge*[2/]	17 28
Pierpont Mfg. Co.[3/] Lathrop Ave., Savannah	02 08 19 20 22 30 33 35
Talley Veneer Co., Adel[3/]	08 10 12 14 19 20 22 30 33

FELT WOOD

Name and P. O. Address	Species
Allen, S. A., Inc. Box 426, Savannah	08 19 20 23 33

1/ Furniture dimension

2/ Shuttle bolts

3/ Box cleat bolts

FENCE POSTS

Name and P. O. Address	Species
B. and T. Wood Preserving Co. Alapaha	08
Kelly, S. D., Box 85, Hoboken	08
Langdale Co., The, Valdosta	08
Moultrie Wood Preserving Co. Box 502, Moultrie	08
Pinola Products Co. Lathrop Ave., Savannah	08
Welch, J. H., Rt. 3, Sylvester	09
Welch, L. A., Poulan	09

FENCE POST TIMBER

Name and P. O. Address	Species
Brantley, Marquis, Homerville	09
Buckley, Thomas, Homerville	09
Chauncey, J. E., Homerville	09
Cribbs, H., Fargo	09
Delk, Henry, Homerville	09
DeLoach, Eck, Homerville	09
Fender, J. O., Homerville	09
Flanders, Sena, Homerville	09
Green, Frank, Homerville	09
Griffin, Bill, Homerville	09
Henderson, Jack, Cairo	09
Hester, J. G., Ashburn	09
Hunter, Bill, Homerville	09
Jennings, J. L., Homerville	09
Johnson, Dick, Homerville	09
Kirkland, J. C., Fargo	09
Lancaster, R. W., Hinesville	09
May, Bill, Homerville	09
Mayer, Clarence, Homerville	09
McChin, W. V., Homerville	09

FENCE POST TIMBER (Continued)

Name and P. O. Address	Species
McDonald, M. M., Fargo	09
Melton, I. C., Homerville	09
Morris, E. T., Pearson	08
Newburn, J. S., Homerville	09
Pickrom, R. L., Homerville	09
Pitman, Sam, Homerville	09
Renney, G. C., Homerville	09
Ritter, Walter, Homerville	09
Rogers, Henry, Homerville	09
Sawyer, J. B., Fargo	09
Shiver, W. B., Homerville	09
Stalvey, H., Homerville	09
Trowell, H., Homerville	09
Ward, R. M., Homerville	09
Young, Pete, Homerville	09

FUEL-WOOD TIMBER

Name and P. O. Address	Species
Hunter, Son, Haylow	09

HANDLE BOLTS AND LOGS

Name and P. O. Address	Species
Hardwood Mfg. Co. Box 24, Dublin	23
Jackson, E. W. Co. Box 552, Valdosta	10 21

HEWN TIES

Name and P. O. Address	Species
Albany Northern Railway Co., Albany	02
Anderson-Hudson Tie Co. Lake City, Florida	02 08 23

HEWN TIES (Continued)

Name and P. O. Address	Species
Atlantic Creosoting Co. Box 177, Savannah	08
Burke, Walter, Supervisor Central of Georgia Railway Co. Savannah	02 08
Clarke, L. A. and Son, Inc. McIntosh	08
Clarke, L. A. and Son, Inc. Lathrop Ave., Savannah	08
Cooney, C. T. and Sons, Inc. Box 382, Waycross	08 19
Dinkins, Theo, Folkston	02 08 23
Hatfield, J. F., Superintendent Georgia Northern Railway Co. Moultrie	02
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	08
Hinshaw, S. M., Inspector c/o Southern Railway Baggage Agent Valdosta	02 08 23
Jessup, W. L., Sr., Eastman	08 19 20 23
Love, John, Rt. 4, Fitzgerald	08
MacLeod, J. A., Chief Engineer Savannah and Atlanta Railway Co. Savannah	08
Mathis and Vining 1604 Slater St., Valdosta	08
May, G. W., Supervisor Georgia and Florida Railroad Nashville	02
McLane-Frost Tie Co., Valdosta	02 08 23
Pippin, W. L., Asst. General Mgr. Georgia Northern Railway Co. Moultrie	02
Riley, A. C. Ingleside Hotel, Jesup	02 08 19 20
Ringwood, H. Wrightsville & Tennille Railroad Co. Dublin	02 08

HEWN TIES (Continued)

Name and P. O. Address	Species
Stubbs, Claude M., Inc. State St., Waycross	08
Telfair Tie Co., McRae	08 19 20 23
Tippins, Alex, Claxton	08
Wainman, F. A., Inspector Seaboard Air Line Railroad Co. 1108 E. 39 St., Savannah	08
Waters, M. V., Supervisor Central of Georgia Railway Co. Millen	02 08
Wood, Ray G., Box 443, Brunswick	08
Zittrouer, H. W. Savannah and Atlanta Railway Co. Newington	08

HEWN TIE TIMBER

Name and P. O. Address	Species
Baker, Pete, Waycross	08
Bennett, G. P., Waycross	08
Coney, John, Waycross	08
Coston, J. D., Metter	08
Fender, George, Jesup	08
Fuller, Lester, Waycross	08
Giddins, J. N., Kirkland	08
Griffis, Alfred, Fargo	09
Gunn, R. L., Box 704, Millen	08 19 20 23
Henderson, M. M. Waresboro	08
Johnson, John Henry Rt. 4, Nashville	08
McLane-Frost Tie Co., Valdosta	02 08 23
Minter Naval Stores Co., Rockledge	08 19 20
Moody, Ike, Waycross	08
Simpson, T. C., Waycross	08
Tillman, R. R., Ludowici	08

HEWN TIE TIMBER (Continued)

Name and P. O. Address	Species
Tippins, H. H., Ludowici	08
Williams Bros., Meridian	02 08 19 20
Williams and Templeton, Swainsboro	02 08 19 20 23
Zittrouer, H. W., Newington	08 19 20 23

NAVAL STORES GUM

Name and P. O. Address	Species
Carter, F. N. and Son, Portal	04 05
Columbia Naval Stores Co., Fitzgerald	04 05
Columbia Naval Stores Co., Hazlehurst	04 05
Columbia Naval Stores Co., Jesup	04 05
Davis, W. W., Rt. 1, Waycross	04 05
Evans, A. E., Hazlehurst	04 05
Filtered Rosin Products, Inc., Baxley	04 05
Filtered Rosin Products, Inc., Douglas	04 05
Gillis, N. L. and Sons, Millwood	04 05
Glidden Co., The, Valdosta	04 05
Langdale Co., The, Valdosta	04 05
McRae Processing-Supply Co., McRae	04 05
Minter Naval Stores Co., Rockledge	04 05
Parrish, Mrs. Frank and Sons Rt. 3, Statesboro	04 05
Pearson Gum Processing Co., Pearson	04 05
Peninsular-Lurton Co., Helena	04 05
Shelton Naval Stores Processing Co. Valdosta	04 05
Standard Processing Co., Statesboro	04 05
Standard Processing Co., Swainsboro	04 05
Star Naval Stores Co., Homerville	04 05
Turpentine Farmers Corp., Waycross	04 05
Varn, K. S. and Co., Hoboken	04 05

NAVAL STORES GUM (Continued)

Name and P. O. Address	Species
Vidalia Gum Turpentine Co., Vidalia	04 05
Wood, T. J., Bellville	04 05

NAVAL STORES STUMPS

Name and P. O. Address	Species
Hercules Powder Co., Brunswick	04 05

PILES

Name and P. O. Address	Species
Atlantic Creosoting Co. Box 177, Savannah	08
Georgia Creosoting Co., Brunswick	08
Jones, I. E., Inspector Eppinger and Russell Co. Callahan, Florida	08
Peeples, E. D., Inspector Eppinger and Russell Co. Waverly	08

PILING TIMBER

Name and P. O. Address	Species
Atlantic Creosoting Co. Box 177, Savannah	08
Gunn, R. L., Box 704, Millen	08
Langdale Co., The, Valdosta	08

POLES

Name and P. O. Address	Species
Atlantic Creosoting Co. Rt. 2, Brunswick	08
Atlantic Creosoting Co. Box 177, Savannah	08

POLES (Continued)

Name and P. O. Address	Species
Georgia Creosoting Co., Brunswick	08
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	08
Jones, I. E., Inspector Eppinger and Russell Co. Callahan, Florida	08
Langdale Co., The, Valdosta	08
Peeples, E. D., Inspector Eppinger and Russell Co. Waverly	08
Rogers, H. Ross and Son, Cordele	08
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	08

POLE TIMBER

Name and P. O. Address	Species
Atlantic Creosoting Co. Box 177, Savannah	08
Brewer, Earley Rt. 1, Lumber City	08
Dukes, Troy, Haylow	08
Green, Lewis, Haylow	08
Gunn, R. L., Box 704, Millen	08
Joyce, Dewey 502 Peachtree St., Vidalia	08
Langdale Co., The, Valdosta	08
Lawton, D. W. 200 E. Crawford, Valdosta	08
Rogers, H. Ross and Son, Cordele	08
Ward, W. E., Haylow	08
Williams and Templeton, Swainsboro	08
Wynn, Barney, Fargo	08

PULPWOOD

Name and P. O. Address	Species
Allen, Jesse D., Box 204, Statesboro	08
Allen, S. A., Inc., Box 426, Savannah	08
Bateman, J. R., Homerville	08
Bracken, C. O. Pulpwood Co. Box 161, Waycross	08 34
Brantley and Lanier, Harrison	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	08 23 34
Coastal Forest Farms Box 536, Brunswick	08 34
Cook and Co., Hazlehurst	08
Corbin, L. R., Vidalia	08
Croom, A. H., Jr., Pembroke	08
Cullens, W. R., Box 298, Dublin	08 34
Curry, C. E., Box 683, Dublin	08
Dinkins, Theo, Folkston	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	08 23 34
Dyal, James E., Jr., Box 81, Surrency	08
Fields, Claude F., Swainsboro	08
George, I. R., Area Manager Brunswick Pulp & Paper Co. Waverly	08 23 34
Gowen, J. V., Folkston	08
Haley, W. H., Hazlehurst	08
Harwell, Paul L., Box 101, Waynesboro	08 34
Hayward, Frank, Pembroke	08
Keene, Charles, Woodbine	08
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	08 23 34
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	08 34

PULPWOOD (Continued)

Name and P. O. Address	Species
Lawton, James M., Soperton	08 34
Lingo, D. T., Rt. 5, Statesboro	08
Marsh, R. P., Townsend	08 34
Martin, M. F., Flemington	08
Martin, M. F., Jr., Riceboro	08
Melton, T. D., Albany	08
Moody, Carl, Odum	08
Newton Forest Products, Woodbine	08
Pecenka, J. F., Box 6, Richmond Hill	08
Proctor, W. J., Claxton	08
Rawlings, B. T., Sandersville	08
Rogers, H. Ross and Son, Cordele	08 34
Rowe, Homer, Alapaha	08
St. Marys Forest Products Co., St. Marys	08
Smith, Sylvester, Reidsville	08
Southeastern Timber Co. Box 295, Jesup	08
Townsend, M. W., Jones, (P. O. Riceboro)	08
Verdery, H. M. and W. H., Harlem	08 34
Walker, V. C., Hazlehurst	08 34
Williams Bros., Meridian	08 23 34
Williams, J. Dewey 1730 Holly Hill Road, Augusta	08 34
Williamson, James, Eulonia	08

PULPWOOD TIMBER

Name and P. O. Address	Species
Allen, Jesse D., Box 204, Statesboro	08
Allen, S. A., Inc., Box 426, Savannah	08
Bateman, J. R., Homerville	08
Bracken, C. O. Pulpwood Co. Box 161, Waycross	08 34
Brantley and Lanier, Harrison	08

PULPWOOD TIMBER (Continued)

Name and P. O. Address	Species
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	08 23 34
Coastal Forest Farms Box 536, Brunswick	08 34
Cook and Co., Hazlehurst	08
Corbin, L. R., Vidalia	08 34
Cullens, W. R., Box 298, Dublin	08 34
Curry, C. E., Box 683, Dublin	08
Dinkins, Theo, Folkston	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	08 23 34
Fields, Claude F., Swainsboro	08 34
George, I. R., Area Manager Brunswick Pulp & Paper Co. Waverly	08 23 34
Gowen, J. V., Folkston	08
Haley, W. H., Hazlehurst	08
Harris, A. S., Box 396, Valdosta	08
Harrison, J. I. and H. C., Hazlehurst	08
Harwell, Paul L., Box 101, Waynesboro	08
Hayward, Frank, Pembroke	08
Jones, C. B., Riceboro	08
Keene, Charles, Woodbine	08
Kimbrough, John, Box 474, Valdosta	08
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	08 23 34
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	08 34
Langdale Co., The, Valdosta	08
Lawton, James M., Soperton	08 34
Lingo, D. T., Rt. 5, Statesboro	08
Macomber, W. F., Sylvania	08

PULPWOOD TIMBER (Continued)

Name and P. O. Address	Species
Marsh, R. P., Townsend	08 34
Martin, M. F., Jr., Riceboro	08
Mayo, G. E., Box 175, Lyons	08 34
McLean, J. C., Box 637, Millen	08 34
Moody, Carl, Odum	08
Newton Forest Products, Woodbine	08
Pecenka, J. F., Box 6, Richmond Hill	08
Peck and O'Hara, Inc. Box 602, Valdosta	08
Peck, William A., Box 61, Statesboro	08 34
Proctor, W. J., Claxton	08
Rowe, Homer, Alapaha	08
St. Marys Forest Products Co., St. Marys	08
Smith, Sylvester, Reidsville	08
Southeastern Timber Co., Box 295, Jesup	08
Townsend, M. W., Jones, (P. O. Riceboro)	08
Verdery, H. M. and W. H., Harlem	08 34
Walker, V. C., Hazlehurst	08 34
Williams and Templeton, Swainsboro	08 34

SAWLOGS

Name and P. O. Address	Species
Adrian Lumber Co., Adrian	02 08 33
Alexander, C. T. and Sons, Dublin	02 08 33
Andrews, Clyde, Alma	02 08 19 20
Atlantic Lumber and Plywood Co. Ludowici	02 08
Augusta Hardwood Co., Augusta	02 08
Blythe Lumber Co., Box 375, Vidalia	08 19 33
Browning, J. F. Lumber Co., Riceboro	02 08 19 20 23 30 33 35
City Lumber Co., Metter	08
Coleman Lumber Co., Dublin	08 33

SAWLOGS (Continued)

Name and P. O. Address	Species
Cordell Lumber Co., Inc., Dublin	02 08 33
Cowart, E. C. and Sons, Reidsville	08 33
Darby, F. W. Lumber Co., Statesboro	08
Day, J. Y., Ambrose	08
DeLoach, R. S., Box 339, Valdosta	08 30 33
Dennis, L. L. Lumber Co., Rhine	08
Dixon-Carter Lumber Co., Vidalia	08 19 33
Dixon, H., Rt. 2, Waycross	08
Dunn Lumber Co., Baxley	08
Eastside Lumber Co. 306 Samuel St., Waycross	08
Edgy Lumber and Supply Co. Rt. 2, Brunswick	02 08 23 33
Fraser Lumber Co., McIntosh	08
General Plywood Corp., Savannah	02 08 33
Georgia Lumber and Supply Co., Valdosta	08 33
Hawkinsville Lumber Co., Hawkinsville	02 08
Highsmith, J. R. and Son, Rt. 2, Waycross	02 08
Hilliard, T. H., Lyons	08
Howard, Claude Co., Statesboro	08
Johnson, A. C., Rt. 2, Uvalde	08 19 23 33
Jones Lumber Co., Jesup	08
Knox Lumber Co., Soperton	08 33
Ledbetter Lumber Co., Willacoochee	02 08 19 20 30 33
Little Suwannee Lumber Co., Homerville	02 08
Longleaf Pine Co., Pearson	02 08
Lord and Whitehead, Waverly	02 08
McCann Lumber Co., Doctortown	02 08 10 18 19 20 22 23 30 33 35
McCranie Lumber Co., Eastman	08 33
Millen Lumber Co., Millen	08
Minter Naval Stores Co., Rockledge	08

SAWLOGS (Continued)

Name and P. O. Address	Species
Mobley Lumber Co., Sylvania	08
Proctor, L. B., Woodbine	02 08
Reddish, W. L., Jesup	08 19 20 33
Reynolds and Manley Lumber Co., Savannah*	02 08 10 19 20 22 23 30 33 35
Rogers, G. C., Jr., Darien	02 08
Rogers, H. Ross and Son, Cordele	08 10 13 18 19 20 21 22 29 30 32 33
St. Regis Paper Co., Fargo*	08
Shearouse Lumber Co., Pooler	02 08 10 19 20 22 23 33
Shepherd Lumber Corp. of Georgia, McRae	02 08 33
Shiplett Lumber Co., Vidalia	02 08 10 19 20 22 23 29 30 33 35
Smith and Chivers, Sylvania	08
Strickland Veneer and Lumber Co., Waycross	02 08
Strickland, Olin, Pembroke	08
Swainsboro Lumber Co., Box 330, Swainsboro	02 08 19 20 33
Sylvania Lumber Co., Sylvania	08
Thompson, D. W., Lyons	08 33
Walker, D. F., Waynesville	08
Waters, T. L. Lumber Co., Pembroke	02 08
Watson Bros. (O. V. and O. C.), Swainsboro	08
Waynesboro Veneer Co., Waynesboro	02 08 10 19 20 22 29 33
Wrightsville Lumber Co., Wrightsville	08

COMMERCIAL VENEER BLOCKS AND LOGS

Name and P. O. Address	Species
Alexander Wood Products, Inc.* Athens	19 20 30 33 35

COMMERCIAL VENEER BLOCKS AND LOGS (Continued)

Name and P. O. Address	Species
Atlantic Lumber and Plywood Co., Ludowici	19 20 22 29 30 33 35
Bradley Plywood Co., Savannah	19 20 22 30 33
General Plywood Corp., Savannah	19 20
Georgia Lumber and Veneer Co., Toomsboro*	13 18 19 20 22 29 30 33
Georgia Plywood Corp., Dublin	08 13 19 20 22 29 30 33 35
McCann Lumber Co., Doctortown	19 20 33
Prinsho Veneer Co., Inc., Valdosta	19 20 30 33
Rogers, H. Ross and Son, Cordele	19 20 22 30 33 35
Sylvania Veneer Co., Box 426, Sylvania	19 20 33
Tidewater Plywood Co.* Brunswick	19 20 30 33 35
Truax Veneer Co., Lyons	19 20 33
Valdosta Plywoods, Inc., Valdosta	19 20 22 29 30 33
Waynesboro Veneer Co., Waynesboro	19 20 22 29 33

PACKAGE VENEER BLOCKS AND LOGS

Name and P. O. Address	Species
C. and H. Veneer Co., Hawkinsville	08 19 20 22 29 30 33 35
Highland Crate Cooperative, Woodbine	08 10 19 20 22 30 33 35
Maxwell Bros., Inc., Jasper, Florida	08 19 20 22 30 33 35
Nocatee-Manatee Crate Co. Callahan, Florida	08 10 18 19 20 30 33 35
Pierpont Mfg. Co. Lathrop Ave., Savannah	02 08 19 20 22 30 33 35
Rathborne, Hair and Ridgway Co. Box 97, Savannah	19 20 22 29 30 33 35

PACKAGE VENEER BLOCKS AND LOGS (Continued)

Name and P. O. Address	Species
Simmons Co., Tennille	08 12 19 20 22 29 33
Strickland Veneer and Lumber Co., Waycross	19 20 22 30 33 35
Talley Veneer Co., Adel	08 10 12 14 19 20 22 30 33
Wadley Veneer and Box Co., Wadley	19 20 22 30 33 35
Walker Mfg. Co., Inc., Millen	19 20 22 30 33 35

COMMERCIAL VENEER TIMBER

Name and P. O. Address	Species
Georgia Lumber and Veneer Co., Toomsboro	13 18 19 20 22 29 30 33
Georgia Plywood Corp., Dublin	08 13 19 20 22 29 30 33 35
Sylvania Veneer Co., Box 426, Sylvania	19 20 33
Tidewater Plywood Co., Brunswick	19 20 30 33 35
Waynesboro Veneer Co., Waynesboro	02 08 10 19 20 22 29 33

PACKAGE VENEER TIMBER

Name and P. O. Address	Species
Rathborne, Hair and Ridgway Co. Box 97, Savannah	19 20 22 29 30 33 35
Strickland Veneer and Lumber Co. Waycross	19 20 22 30 33 35
Walker Mfg. Co., Inc., Millen	19 20 22 30 33 35

INDEPENDENT LOGGERS

Name	P. O. Address
Alexander, Harvey	Lyons
Arnold, Emory	Millen
Atkinson, J. F.	White Oak
Bachler and Schumen	Statesboro
Bell and Clark	Halcyondale
Berrie, A. R., Jr.	Waverly
Boyd, M. A.	Sylvania
Braddock, D. P.	Callahan, Florida
Braswell, Dillon	Adrian
Brown, Earnest	Lumber City
Bryson, Willie	Lyons
Butler, R. B.	McRae
C. and S. Logging Co.	Callahan, Florida
Collins, Bud	Stillmore
Cooper, Gim	Lumber City
Coston, J. C.	Metter
Cottle, David F.	Woodbine
Covington, Leon	Garfield
Covington, Paul	Garfield
Cowart, Carlton	Millen
Crews, Jim	Sylvania
Edwards, Eddie	Folkston
Edwards, Rufus	Folkston
Fenders, Tim	Callahan, Florida
Fountain, C. B.	Mt. Vernon
G. F. and S. Logging Co.	Callahan, Florida
Gainey, W. H.	Millen
Gorman, R. A.	Waycross
Gunn, John	Box 706, Millen
Gunn, R. L.	Box 704, Millen
Gunter, A. S.	2243 Rosselle Avenue Jacksonville, Florida
Hall, C. F.	Wadley

INDEPENDENT LOGGERS (Continued)

Name	P. O. Address
Hardy, Albert	Lumber City
Herrin, Z. K.	Waycross
Higdon, J. V.	Midville
Hilburn, John B.	Dublin
Jackson, W. C.	Wrightsville
Jones-Lane	Rt. 2, Statesboro
Kelly, Elmo	Waverly
McNeely, A. R.	Wadley
Monroe, C. C.	Lyons
Morgan, J. P.	Stillmore
Mosley, Clyde	Lyons
Murray, Leroy	Sardis
Peeples, Upton	Kingsland
Pfeiffer, Otto	Sylvania
Pope, Lester	Wrightsville
Raines, W. O.	Wrightsville
Reardon, J. F.	Metter
Reese, E. B.	Wrightsville
Ricketson, Eston	Douglas
Robinson, Wilmer	Sardis
Sanders, W. P.	Millhaven
Scarboro, Ray	Dublin
Scarborough, G. E., Jr.	Stillmore
Scarborough, R. L.	Stillmore
Sherrod, Jack	Millen
Smith, David	Waycross
Smith, Foster	Waycross
Smith, J. O.	Alamo
Stephens, O. M.	Collins
Strickland, J. B.	Waycross
Sullivan, J. S.	Woodbine
Townsend, Livingston	Eulonia

INDEPENDENT LOGGERS (Continued)

Name	P. O. Address
Townsend, M. W.	Jones (P. O. Riceboro)
Trapnell, W. D.	Metter
Troullie, C. T.	Hilliard, Florida
Trout, Kenneth	Metter
Tucker and Clark	Waycross
Turner, K. A.	Waycross
Tuten, W. H. and A. W.	Rt. 4, Lyons
Walker, George	Rt. 1, Rhine
Waters, D. R.	Millen
Williams and Templeton	Swainsboro
Williams, Osborne	Woodbine
Yancey, T. A.	R. F. D., Dublin

FOREST PRODUCTS BUYERS BY THE COUNTIES IN WHICH THEY BUY

For explanation of species code numbers see page 15.

APPLING COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
Bracken, C. O. Pulpwood Co. Box 161, Waycross	Pulpwood timber Pulpwood	08 34 08 34
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Davis, W. W. Rt. 1, Waycross	Naval stores gum	04 05
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Dunn Lumber Co., Baxley	Sawlogs	08
Dyal, James E., Jr. Box 81, Surrency	Pulpwood	08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05

APPLING COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Harrison, J. I. and H. C. Hazlehurst	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jones Lumber Co., Jesup	Sawlogs	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	Pulpwood timber Pulpwood	08 34 08 34
McCann Lumber Co., Doctortown	Sawlogs Commercial veneer blocks	02 08 10 18 19 20 22 23 30 33 35 19 20 33
Moody, Carl, Odum	Pulpwood timber Pulpwood	08 08
Riley, A. C. Ingleside Hotel, Jesup	Hewn ties	02 08 19 20
Shiplett Lumber Co., Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Southeastern Timber Co. Box 295, Jesup	Pulpwood timber Pulpwood	08 08
Strickland Veneer and Lumber Co. Waycross	Package veneer timber Package veneer blocks	19 20 22 30 33 35 19 20 22 30 33 35
Stubbs, Claude M., Inc. State St., Waycross	Hewn ties	08
Thompson, D. W., Lyons	Sawlogs	08 33
Truax Veneer Co., Lyons	Commercial veneer blocks	19 20 33

APPLING COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber Pulpwood	08 34 08 34

ATKINSON COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
B. and T. Wood Preserving Co. Alapaha	Fence posts	08
Bateman, J. R., Homerville	Pulpwood timber Pulpwood	08 08
Bracken, C. O. Pulpwood Co. Box 161, Waycross	Pulpwood timber Pulpwood	08 34 08 34
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Cooney, C. T. and Sons, Inc. Box 382, Waycross	Hewn ties	08 19
Davis, W. W. Rt. 1, Waycross	Naval stores gum	04 05
Filtered Rosin Products, Inc. Douglas	Naval stores gum	04 05
Giddins, J. N., Kirkland	Hewn tie timber	08
Gillis, N. L. and Sons Millwood	Naval stores gum	04 05
Glidden Co., The, Valdosta	Naval stores gum	04 05
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05

ATKINSON COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr., Eastman	Hewn ties	08 19 20 23
Johnson, John Henry Rt. 4, Nashville	Hewn tie timber	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Langdale Co., The, Valdosta	Piling timber	08
	Pole timber	08
	Pulpwood timber	08
	Fence posts	08
	Naval stores gum	04 05
	Poles	08
Ledbetter Lumber Co. Willacoochee	Sawlogs	02 08 19 20 30 33
Little Suwannee Lumber Co. Homerville	Sawlogs	02 08
Longleaf Pine Co., Pearson	Sawlogs	02 08
May, G. W., Supervisor Georgia and Florida Railroad Nashville	Hewn ties	02
McLane-Frost Tie Co., Valdosta	Hewn tie timber	02 08 23
	Hewn ties	02 08 23
Morris, E. T., Pearson	Fence post timber	08
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Rowe, Homer, Alapaha	Pulpwood timber	08
	Pulpwood	08
Shelton Naval Stores Processing Co., Valdosta	Naval stores gum	04 05
Star Naval Stores Co. Homerville	Naval stores gum	04 05
Strickland Veneer and Lumber Co. Waycross	Package veneer timber	19 20 22 30 33 35
	Package veneer blocks	19 20 22 30 33 35
Talley Veneer Co., Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33

ATKINSON COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Valdosta Plywoods, Inc. Valdosta	Commercial veneer blocks	19 20 22 29 30 33

BACON COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Andrews, Clyde, Alma	Sawlogs	02 08 19 20
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Davis, W. W. Rt. 1, Waycross	Naval stores gum	04 05
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	Pulpwood timber Pulpwood	08 23 34 08 23 34
Dunn Lumber Co., Baxley	Sawlogs	08
Eastside Lumber Co. 306 Samuel St., Waycross	Sawlogs	08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Filtered Rosin Products, Inc. Douglas	Naval stores gum	04 05
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Gillis, N. L. and Sons Millwood	Naval stores gum	04 05

BACON COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
McCann Lumber Co., Doctortown	Sawlogs	02 08 10 18 19 20 22 23 30 33 35
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33
Strickland Veneer and Lumber Co. Waycross	Package veneer timber Package veneer blocks	19 20 22 30 33 35 19 20 22 30 33 35
Stubbs, Claude M., Inc. State St., Waycross	Hewn ties	08
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber Pulpwood	08 34 08 34

BRANTLEY COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Bracken, C. O. Pulpwood Co. Box 161, Waycross	Pulpwood timber Pulpwood	08 34 08 34

BRANTLEY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Cooney, C. T. and Sons, Inc. Box 382, Waycross	Hewn ties	08 19
Dinkins, Theo, Folkston	Hewn ties	02 08 23
Dixon, H., Rt. 2, Waycross	Sawlogs	08
Eastside Lumber Co. 306 Samuel St., Waycross	Sawlogs	08
Edgy Lumber and Supply Co. Rt. 2, Brunswick	Sawlogs	02 08 23 33
George, I. R., Area Manager Brunswick Pulp & Paper Co. Waverly	Pulpwood timber Pulpwood	08 23 34 08 23 34
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Highland Crate Cooperative Woodbine	Package veneer blocks	08 10 19 20 22 30 33 35
Highsmith, J. R. and Son Rt. 2, Waycross	Sawlogs	02 08
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Jones Lumber Co., Jesup	Sawlogs	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Kelly, S. D. Box 85, Hoboken	Fence posts	08

BRANTLEY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	Pulpwood timber Pulpwood	08 23 34 08 23 34
Lord and Whitehead Waverly	Sawlogs	02 08
McCann Lumber Co., Doctortown	Sawlogs	02 08 10 18 19 20 22 23 30 33 35
Peeples, E. D., Inspector Eppinger and Russell Co. Waverly	Poles Piles	08 08
Strickland Veneer and Lumber Co. Waycross	Package veneer timber Sawlogs Package veneer blocks	19 20 22 30 33 35 02 08 19 20 22 30 33 35
Tidewater Plywood Co. Brunswick	Commercial veneer timber Commercial veneer blocks	19 20 30 33 35 19 20 30 33 35
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Walker, D. F., Waynesville	Sawlogs	08

BRYAN COUNTY

Name and P. O. Address	Product Bought	Species
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood Felt wood	08 08 08 19 20 23 33
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 33 35

BRYAN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Bradley Plywood Co. Savannah	Commercial veneer blocks	19 20 22 30 33
Browning, J. F. Lumber Co. Riceboro	Sawlogs	02 08 19 20 23 30 33 35
Clarke, L. A. and Son, Inc. Lathrop Ave., Savannah	Hewn ties	08
Croom, A. H., Jr., Pembroke	Pulpwood	08
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Fraser Lumber Co., McIntosh	Sawlogs	08
General Plywood Corp. Savannah	Sawlogs Commercial veneer blocks	02 08 33 19 20
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hayward, Frank, Pembroke	Pulpwood timber Pulpwood	08 08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Macomber, W. F., Sylvania	Pulpwood timber	08
Pecenka, J. F. Box 6, Richmond Hill	Pulpwood timber Pulpwood	08 08

BRYAN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Pierpont Mfg. Co. Lathrop Ave., Savannah	Dimension bolts	02 08 19 20 22 30 33 35
	Package veneer blocks	02 08 19 20 22 30 33 35
Pinola Products Co. Lathrop Ave., Savannah	Fence posts	08
Proctor, W. J., Claxton	Pulpwood timber	08
	Pulpwood	08
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber	19 20 22 29 30 33 35
	Package veneer blocks	19 20 22 29 30 33 35
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Shearouse Lumber Co., Pooler	Sawlogs	02 08 10 19 20 22 23 33
Standard Processing Co. Statesboro	Naval stores gum	04 05
Strickland, Olin, Pembroke	Sawlogs	08
Tippins, Alex, Claxton	Hewn ties	08
Wainman, F. A., Inspector Seaboard Air Line Railroad Co. 1108 E. 39 St., Savannah	Hewn ties	08
Waters, T. L. Lumber Co. Pembroke	Sawlogs	02 08
Williamson, James, Eulonia	Pulpwood	08

BULLOCH COUNTY

Name and P. O. Address	Product Bought	Species
Allen, Jesse D. Box 204, Statesboro	Pulpwood timber	08
	Pulpwood	08
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber	08
	Pulpwood	08
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23

BULLOCH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Bachler and Schumen, Statesboro	Logger	
Bradley Plywood Co. Savannah	Commercial veneer blocks	19 20 22 30 33
Burke, Walter, Supervisor Central of Georgia Railway Co. Savannah	Hewn ties	02 08
Carter, F. N. and Son, Portal	Naval stores gum	04 05
City Lumber Co., Metter	Sawlogs	08
Coston, J. D., Metter	Hewn tie timber	08
Croom, A. H., Jr., Pembroke	Pulpwood	08
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Gunn, R. L. Box 704, Millen	Hewn tie timber Piling timber Pole timber	08 19 20 23 08 08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Howard, Claude Co., Statesboro	Sawlogs	08
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jones-Lane Rt. 2, Statesboro	Logger	
Lingo, D. T. Rt. 5, Statesboro	Pulpwood timber Pulpwood	08 08
Macomber, W. F., Sylvania	Pulpwood timber	08
McLean, J. C. Box 637, Millen	Pulpwood timber	08 34
Parrish, Mrs. Frank and Sons Rt. 3, Statesboro	Naval stores gum	04 05

BULLOCH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Peck, William A. Box 61, Statesboro	Pulpwood timber	08 34
Pierpont Mfg. Co. Lathrop Ave., Savannah	Dimension bolts	02 08 19 20 22 30 33 35
	Package veneer blocks	02 08 19 20 22 30 33 35
Pinola Products Co. Lathrop Ave., Savannah	Fence posts	08
Proctor, W. J., Claxton	Pulpwood timber	08
	Pulpwood	08
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Shearouse Lumber Co., Pooler	Sawlogs	02 08 10 19 20 22 23 33
Smith, Sylvester Reidsville	Pulpwood timber	08
	Pulpwood	08
Standard Processing Co. Statesboro	Naval stores gum	04 05
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Strickland, Olin, Pembroke	Sawlogs	08
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Sylvania Veneer Co. Box 426, Sylvania	Commercial veneer timber	19 20 33
	Commercial veneer blocks	19 20 33
Tippins, Alex, Claxton	Hewn ties	08
Walker Mfg. Co., Inc., Millen	Package veneer timber	19 20 22 30 33 35
	Package veneer blocks	19 20 22 30 33 35
Waters, T. L. Lumber Co. Pembroke	Sawlogs	02 08

CAMDEN COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	0[illegible] 08 33

For explanation of species code numbers see page 15.

CAMDEN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Atkinson, J. F., White Oak	Logger	
Atlantic Creosoting Co. Rt. 2, Brunswick	Poles	08
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Berrie, A. R., Jr., Waverly	Logger	
Braddock, D. P. Callahan, Florida	Logger	
C. and S. Logging Co. Callahan, Florida	Logger	
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Cottle, David F., Woodbine	Logger	
Dinkins, Theo, Folkston	Hewn ties	02 08 23
Edgy Lumber and Supply Co. Rt. 2, Brunswick	Sawlogs	02 08 23 33
Fenders, Tim Callahan, Florida	Logger	
G. F. and S. Logging Co. Callahan, Florida	Logger	
George, I. R., Area Manager Brunswick Pulp & Paper Co. Waverly	Pulpwood timber Pulpwood	08 23 34 08 23 34
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Gunter, A. S. 2243 Rosselle Ave. Jacksonville, Florida	Logger	
Hercules Powder Co., Brunswick	Naval stores stumps	04 05

CAMDEN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Highland Crate Cooperative Woodbine	Package veneer blocks	08 10 19 20 22 30 33 35
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jones, I. E., Inspector Eppinger and Russell Co. Callahan, Florida	Piles Poles	08 08
Keene, Charles, Woodbine	Pulpwood timber Pulpwood	08 08
Kelly, Elmo, Waverly	Logger	
Lord and Whitehead, Waverly	Sawlogs	02 08
Newton Forest Products Woodbine	Pulpwood timber Pulpwood	08 08
Peeples, E. D., Inspector Eppinger and Russell Co. Waverly	Piles Poles	08 08
Peeples, Upton, Kingsland	Logger	
Proctor, L. B., Woodbine	Sawlogs	02 08
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
St. Marys Forest Products Co. St. Marys	Pulpwood timber Pulpwood	08 08
Sullivan, J. S., Woodbine	Logger	
Tidewater Plywood Co. Brunswick	Commercial veneer timber Commercial veneer blocks	19 20 30 33 35 19 20 30 33 35
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Wainman, F. A., Inspector Seaboard Air Line Railroad Co. 1108 E. 39 St., Savannah	Hewn ties	08
Williams, Osborne Woodbine	Logger	
Wood, Ray G. Box 443, Brunswick	Hewn ties	

CANDLER COUNTY

Name and P. O. Address	Product Bought	Species
Allen, Jesse D. Box 204, Statesboro	Pulpwood timber Pulpwood	08 08
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood	08 08
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
Burke, Walter, Supervisor Central of Georgia Railway Co. Savannah	Hewn ties	02 08
Carter, F. N. and Son, Portal	Naval stores gum	04 05
City Lumber Co., Metter	Sawlogs	08
Coston, J. C., Metter	Logger	
Coston, J. D., Metter	Hewn tie timber	08
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Fields, Claude F. Swainsboro	Pulpwood timber Pulpwood	08 34 08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Howard, Claude Co., Statesboro	Sawlogs	08
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21

CANDLER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Knox Lumber Co., Soperton	Sawlogs	08 33
Lingo, D. T. Rt. 5, Statesboro	Pulpwood timber Pulpwood	08 08
Macomber, W. F., Sylvania	Pulpwood timber	08
Peck, William A. Box 61, Statesboro	Pulpwood timber	08 34
Reardon, J. F., Metter	Logger	
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Scarborough, G. E., Jr. Stillmore	Logger	
Scarborough, R. L., Stillmore	Logger	
Shiplett Lumber Co., Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Smith, Sylvester Reidsville	Pulpwood timber Pulpwood	08 08
Standard Processing Co. Statesboro	Naval stores gum	04 05
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Thompson, D. W., Lyons	Sawlogs	08 33
Tippins, Alex, Claxton	Hewn ties	08
Trapnell, W. D., Metter	Logger	
Trout, Kenneth, Metter	Logger	
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Walker Mfg. Co., Inc., Millen	Package veneer timber Package veneer blocks	19 20 22 30 33 35 19 20 22 30 33 35

CANDLER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Waynesboro Veneer Co. Waynesboro	Commercial veneer blocks	19 20 22 29 33
Wood, T. J., Bellville	Naval stores gum	04 05

CHARLTON COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Bateman, J. R., Homerville	Pulpwood timber Pulpwood	08 08
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Cooney, C. T. and Sons, Inc. Box 382, Waycross	Hewn ties	08 19
Dinkins, Theo, Folkston	Pulpwood timber Pulpwood Hewn ties	08 08 02 08 23
Eastside Lumber Co. 306 Samuel St., Waycross	Sawlogs	08
Edwards, Eddie, Folkston	Logger	
Edwards, Rufus, Folkston	Logger	
George, I. R., Area Manager Brunswick Pulp & Paper Co. Waverly	Pulpwood timber Pulpwood	08 23 34 08 23 34
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Gowen, J. V., Folkston	Pulpwood timber Pulpwood	08 08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Highland Crate Cooperative Woodbine	Package veneer blocks	08 10 19 20 22 30 33 35
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21

CHARLTON COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Jones, I. E., Inspector Eppinger and Russell Co. Callahan, Florida	Piles Poles	08 08
McCann Lumber Co., Doctortown	Sawlogs	02 08 10 18 19 20 22 23 30 33 35
Nocatee-Manatee Crate Co. Callahan, Florida	Package veneer blocks	08 10 18 19 20 30 33 35
St. Marys Forest Products Co. St. Marys	Pulpwood timber Pulpwood	08 08
St. Regis Paper Co., Fargo	Sawlogs	08
Strickland Veneer and Lumber Co. Waycross	Package veneer timber Package veneer blocks	19 20 22 30 33 35 19 20 22 30 33 35
Stubbs, Claude M., Inc. State St., Waycross	Hewn ties	08
Troullie, C. T. Hilliard, Florida	Logger	
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05

CHATHAM COUNTY

Name and P. O. Address	Product Bought	Species
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood Felt wood	08 08 08 19 20 23 33
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Bradley Plywood Co., Savannah	Commercial veneer blocks	19 20 22 30 33

CHATHAM COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Burke, Walter, Supervisor Central of Georgia Railway Co. Savannah	Hewn ties	02 08
Clarke, L. A. and Son, Inc. Lathrop Ave., Savannah	Hewn ties	08
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
General Plywood Corp. Savannah	Sawlogs Commercial veneer blocks	02 08 33 19 20
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Harwell, Paul L. Box 101, Waynesboro	Pulpwood	08 34
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hayward, Frank, Pembroke	Pulpwood	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
MacLeod, J. A., Chief Engineer Savannah and Atlanta Railway Co. Savannah	Hewn ties	08
Macomber, W. F., Sylvania	Pulpwood timber	08
Pecenka, J. F. Box 6, Richmond Hill	Pulpwood timber Pulpwood	08 08
Pierpont Mfg. Co. Lathrop Ave., Savannah	Dimension bolts Package veneer blocks	02 08 19 20 22 30 33 35 02 08 19 20 22 30 33 35
Pinola Products Co. Lathrop Ave., Savannah	Fence posts	08
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber Package veneer blocks	19 20 22 29 30 33 35 19 20 22 29 30 33 35

CHATHAM COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Shearouse Lumber Co., Pooler	Sawlogs	02 08 10 19 20 22 23 33
Wainman, F. A., Inspector Seaboard Air Line Railroad Co. 1108 E. 39 St., Savannah	Hewn ties	08
Williamson, James, Eulonia	Pulpwood	08
Zittrouer, H. W. Savannah and Atlanta Railway Co. Newington	Hewn ties	08

CLINCH COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Augusta Hardwood Co., Augusta	Sawlogs	02 08
B. and T. Wood Preserving Co. Alapaha	Fence posts	08
Bateman, J. R., Homerville	Pulpwood timber Pulpwood	08 08
Brantley, Marquis, Homerville	Fence post timber	09
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Buckley, Thomas, Homerville	Fence post timber	09
Chauncey, J. E., Homerville	Fence post timber	09
Cribbs, H., Fargo	Fence post timber	09
Delk, Henry, Homerville	Fence post timber	09
DeLoach, Eck, Homerville	Fence post timber	09
Dukes, Troy, Haylow	Pole timber	08
Fender, J. O., Homerville	Fence post timber	09
Flanders, Sena, Homerville	Fence post timber	09
Georgia Creosoting Co. Brunswick	Piles Poles	08 08

CLINCH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Glidden Co., The, Valdosta	Naval stores gum	04 05
Green, Frank, Homerville	Fence post timber	09
Green, Lewis, Haylow	Pole timber	08
Griffin, Bill, Homerville	Fence post timber	09
Griffis, Alfred, Fargo	Hewn tie timber	09
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Hatfield, J. F., Superintendent Georgia Northern Railway Co. Moultrie	Hewn ties	02
Henderson, Jack, Cairo	Fence post timber	09
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hester, J. G., Ashburn	Fence post timber	09
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Hunter, Bill, Homerville	Fence post timber	09
Hunter, Son, Haylow	Fuel-wood timber	09
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jennings, J. L., Homerville	Fence post timber	09
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Johnson, Dick, Homerville	Fence post timber	09
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Kimbrough, John Box 474, Valdosta	Pulpwood timber	08
Kirkland, J. C., Fargo	Fence post timber	09
Lancaster, R. W., Hinesville	Fence post timber	09
Langdale Co., The, Valdosta	Piling timber	08
	Pole timber	08
	Pulpwood timber	08
	Fence posts	08
	Poles	08
	Naval stores gum	04 05

CLINCH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Ledbetter Lumber Co. Willacoochee	Sawlogs	02 08 19 20 30 33
Little Suwannee Lumber Co. Homerville	Sawlogs	02 08
Maxwell Brothers, Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
May, Bill, Homerville	Fence post timber	09
Mayer, Clarence, Homerville	Fence post timber	09
McChin, W. V., Homerville	Fence post timber	09
McDonald, M. M., Fargo	Fence post timber	09
McLane-Frost Tie Co. Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Melton, I. C., Homerville	Fence post timber	09
Newburn, J. S., Homerville	Fence post timber	09
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Pickrom, R. L., Homerville	Fence post timber	09
Pippin, W. L., Asst. General Mgr. Georgia Northern Railway Co. Moultrie	Hewn ties	02
Pitman, Sam, Homerville	Fence post timber	09
Prinsho Veneer Co., Inc. Valdosta	Commercial veneer blocks	19 20 30 33
Renney, G. C., Homerville	Fence post timber	09
Ritter, Walter, Homerville	Fence post timber	09
Rogers, Henry, Homerville	Fence post timber	09
Sawyer, J. B., Fargo	Fence post timber	09
Shelton Naval Stores Processing Co., Valdosta	Naval stores gum	04 05
Shiver, W. B., Homerville	Fence post timber	09
Stalvey, H., Homerville	Fence post timber	09
Star Naval Stores Co. Homerville	Naval stores gum	04 05

CLINCH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
St. Regis Paper Co., Fargo	Sawlogs	08
Strickland Veneer and Lumber Co. Waycross	Package veneer blocks	19 20 22 30 33 35
	Package veneer timber	19 20 22 30 33 35
Stubbs, Claude M., Inc. State St., Waycross	Hewn ties	08
Trowell, H., Homerville	Fence post timber	09
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Ward, R. M., Homerville	Fence post timber	09
Ward, W. E., Haylow	Pole timber	08
Welch, J. H., Rt. 3, Sylvester	Fence posts	09
Welch, L. A., Poulan	Fence posts	09
Wynn, Barney, Fargo	Pole timber	08
Young, Pete, Homerville	Fence post timber	09

COFFEE COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs	02 08
	Commercial veneer blocks	19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
B. and T. Wood Preserving Co. Alapaha	Fence posts	08
Bateman, J. R., Homerville	Pulpwood timber	08
	Pulpwood	08
Brewer, Earley Rt. 1, Lumber City	Pole timber	08
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber	08 34
	Pulpwood	08 34
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Cook and Co., Hazlehurst	Pulpwood timber	08
	Pulpwood	08

COFFEE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Cooney, C. T. and Sons, Inc. Box 382, Waycross	Hewn ties	08 19
Davis, W. W. Rt. 1, Waycross	Naval stores gum	04 05
Day, J. Y., Ambrose	Sawlogs	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	Pulpwood timber Pulpwood	08 23 34 08 23 34
Filtered Rosin Products, Inc. Douglas	Naval stores gum	04 05
Gillis, N. L. and Sons Millwood	Naval stores gum	04 05
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haley, W. H., Hazlehurst	Pulpwood timber Pulpwood	08 08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Ledbetter Lumber Co. Willacoochee	Sawlogs	02 08 19 20 30 33
Love, John Rt. 4, Fitzgerald	Hewn ties	08
May, G. W., Supervisor Georgia and Florida Railroad Nashville	Hewn ties	02
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Ricketson, Eston, Douglas	Logger	
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33

COFFEE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Strickland Veneer and Lumber Co. Waycross	Package veneer blocks Package veneer timber	19 20 22 30 33 35 19 20 22 30 33 35
Talley Veneer Co., Adel	Dimension bolts Package veneer blocks	08 10 12 14 19 20 22 30 33 08 10 12 14 19 20 22 30 33
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber Pulpwood	08 34 08 34

DODGE COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
C. and H. Veneer Co. Hawkinsville	Package veneer blocks	08 19 20 22 29 30 33 35
Coleman Lumber Co., Dublin	Sawlogs	08 33
Columbia Naval Stores Co. Fitzgerald	Naval stores gum	04 05
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Dennis, L. L. Lumber Co. Rhine	Sawlogs	08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hardwood Mfg. Co. Box 24, Dublin	Dimension bolts Handle bolts	10 23
Harrison, J. I. and H. C. Hazlehurst	Pulpwood timber	08
Hawkinsville Lumber Co. Hawkinsville	Sawlogs	02 08

DODGE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	Pulpwood timber Pulpwood	08 34 08 34
McCranie Lumber Co., Eastman	Sawlogs	08 33
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Rogers, H. Ross and Son Cordele	Pole timber Poles Pulpwood Sawlogs Commercial veneer blocks	08 08 08 34 08 10 13 18 19 20 21 22 29 30 32 33 19 20 22 30 33 35
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33
Shipplett Lumber Co. Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
Talley Veneer Co., Adel	Dimension bolts Package veneer blocks	08 10 12 14 19 20 22 30 33 08 10 12 14 19 20 22 30 33

DODGE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Telfair Tie Co., McRae	Hewn ties	08 19 20 23
Walker, George Rt. 1, Rhine	Logger	
Walker, V. C., Hazlehurst	Pulpwood timber	08 34
	Pulpwood	08 34
Williams and Templeton Swainsboro	Hewn tie timber	02 08 19 20 23
	Pole timber	08
	Pulpwood timber	08 34

ECHOLS COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Bateman, J. R., Homerville	Pulpwood timber	08
	Pulpwood	08
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber	08 23 34
	Pulpwood	08 23 34
DeLoach, R. S. Box 339, Valdosta	Sawlogs	08 30 33
Georgia Lumber and Supply Co. Valdosta	Sawlogs	08 33
Glidden Co., The, Valdosta	Naval stores gum	04 05
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Kimbrough, John Box 474, Valdosta	Pulpwood timber	08
Langdale Co., The, Valdosta	Piling timber	08
	Pole timber	08
	Pulpwood timber	08
	Fence posts	08
	Naval stores gum	04 05
	Poles	08

ECHOLS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Lawton, D. W. 200 E. Crawford, Valdosta	Pole timber	08
Little Suwannee Lumber Co. Homerville	Sawlogs	02 08
Mathis and Vining 1604 Slater St., Valdosta	Hewn ties	08
Maxwell Bros., Inc. Jasper, Florida	Package veneer blocks	08 19 20 22 30 33 35
McLane-Frost Tie Co. Valdosta	Hewn tie timber Hewn ties	02 08 23 02 08 23
Moultrie Wood Preserving Co. Box 502, Moultrie	Fence posts	08
Peck and O'Hara, Inc. Box 602, Valdosta	Pulpwood timber	08
Prinsho Veneer Co., Inc. Valdosta	Commercial veneer blocks	19 20 30 33
Shelton Naval Stores Processing Co., Valdosta	Naval stores gum	04 05
Star Naval Stores Co. Homerville	Naval stores gum	04 05
St. Regis Paper Co., Fargo	Sawlogs	08
Welch, J. H., Rt. 3, Sylvester	Fence posts	09
Welch, L. A., Poulan	Fence posts	09

EFFINGHAM COUNTY

Name and P. O. Address	Product Bought	Species
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood Felt wood	08 08 08 19 20 23 33
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Augusta Hardwood Co., Augusta	Sawlogs	02 08

EFFINGHAM COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Bradley Plywood Co. Savannah	Commercial veneer blocks	19 20 22 30 33
Burke, Walter, Supervisor Central of Georgia Railway Co. Savannah	Hewn ties	02 08
Clarke, L. A. and Son, Inc. Lathrop Ave., Savannah	Hewn ties	08
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Harwell, Paul L. Box 101, Waynesboro	Pulpwood timber Pulpwood	08 08 34
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Macomber, W. F., Sylvania	Pulpwood timber	08
Peck, William A. Box 61, Statesboro	Pulpwood timber	08 34
Pierpont Mfg. Co. Lathrop Ave., Savannah	Dimension bolts Package veneer blocks	02 08 19 20 22 30 33 35 02 08 19 20 22 30 33 35
Pinola Products Co. Lathrop Ave., Savannah	Fence posts	08
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber Package veneer blocks	19 20 22 29 30 33 35 19 20 22 29 30 33 35
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Shearouse Lumber Co. Pooler	Sawlogs	02 08 10 19 20 22 23 33
Standard Processing Co. Statesboro	Naval stores gum	04 05

EFFINGHAM COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Sylvania Veneer Co. Box 426, Sylvania	Commercial veneer timber	19 20 33
	Commercial veneer blocks	19 20 33
Zittrouer, H. W. Savannah and Atlanta Railway Co. Newington	Hewn ties	08
Zittrouer, H. W. Newington	Hewn tie timber	08 19 20 23

EMANUEL COUNTY

Name and P. O. Address	Product Bought	Species
Adrian Lumber Co., Adrian	Sawlogs	02 08 33
Allen, Jesse D. Box 204, Statesboro	Pulpwood timber Pulpwood	08 08
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
Brantley and Lanier Harrison	Pulpwood timber Pulpwood	08 08
Braswell, Dillon, Adrian	Logger	
Carter, F. N. and Son, Portal	Naval stores gum	04 05
City Lumber Co., Metter	Sawlogs	08
Coleman Lumber Co., Dublin	Sawlogs	08 33
Collins, Bud, Stillmore	Logger	
Corbin, L. R., Vidalia	Pulpwood timber Pulpwood	08 34 08
Coston, J. D., Metter	Hewn tie timber	08
Covington, Leon, Garfield	Logger	
Covington, Paul, Garfield	Logger	

EMANUEL COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Curry, C. E. Box 683, Dublin	Pulpwood timber Pulpwood	08 08
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Fields, Claude F. Swainsboro	Pulpwood timber Pulpwood	08 34 08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Glidden Co., The, Valdosta	Naval stores gum	04 05
Gunn, R. L. Box 704, Millen	Hewn tie timber Piling timber Pole timber	08 19 20 23 08 08
Hall, C. F., Wadley	Logger	
Hardwood Mfg. Co. Box 24, Dublin	Dimension bolts Handle bolts	10 23
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hidgon, J. V., Midville	Logger	
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Knox Lumber Co., Soperton	Sawlogs	08 33
Macomber, W. F., Sylvania	Pulpwood timber	08
McLean, J. C., Box 637, Millen	Pulpwood timber	08 34
McNeely, A. R., Wadley	Logger	
Morgan, J. P., Stillmore	Logger	
Rawlings, B. T., Sandersville	Pulpwood	08
Scarborough, G. E., Jr. Stillmore	Logger	

For explanation of species code numbers see page 15.

EMANUEL COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Scarborough, R. L. Stillmore	Logger	
Shiplett Lumber Co. Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Simmons Co., Tennille	Package veneer blocks	08 12 19 20 22 29 33
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Thompson, D. W., Lyons	Sawlogs	08 33
Verdery, H. M. and W. H. Harlem	Pulpwood timber Pulpwood	08 34 08 34
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Walker Mfg. Co., Inc., Millen	Package veneer timber Package veneer blocks	19 20 22 30 33 35 19 20 22 30 33 35
Watson Bros. (O. V. and O. C.) Swainsboro	Sawlogs	08
Waynesboro Veneer Co. Waynesboro	Commercial veneer blocks	19 20 22 29 33
Williams and Templeton Swainsboro	Hewn tie timber Pole timber Pulpwood timber Logger	02 08 19 20 23 08 08 34
Williams, J. Dewey 1730 Holly Hill Road Augusta	Pulpwood	08 34

EVANS COUNTY

Name and P. O. Address	Product Bought	Species
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood	08 08

EVANS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Coston, J. D., Metter	Hewn tie timber	08
Croom, A. H., Jr., Pembroke	Pulpwood	08
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Macomber, W. F., Sylvania	Pulpwood timber	08
Peck, William A. Box 61, Statesboro	Pulpwood timber	08 34
Proctor, W. J., Claxton	Pulpwood timber Pulpwood	08 08

EVANS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber Package veneer blocks	19 20 22 29 30 33 35 19 20 22 29 30 33 35
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Smith, Sylvester Reidsville	Pulpwood timber Pulpwood	08 08
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
Standard Processing Co. Statesboro	Naval stores gum	04 05
Strickland, Olin, Pembroke	Sawlogs	08
Tippins, Alex, Claxton	Hewn ties	08
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Waters, T. L. Lumber Co. Pembroke	Sawlogs	02 08
Wood, T. J., Bellville	Naval stores gum	04 05

GLYNN COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Rt. 2, Brunswick	Poles	08
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34

GLYNN COUNTY (Continued)

Name and P. O. Address	Product	Species
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Edgy Lumber and Supply Co. Rt. 2, Brunswick	Sawlogs	02 08 23 33
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Highland Crate Cooperative Woodbine	Package veneer blocks	08 10 19 20 22 30 33 35
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	Pulpwood timber Pulpwood	08 23 34 08 23 34
Lord and Whitehead Waverly	Sawlogs	02 08
Peeples, E. D., Inspector Eppinger and Russell Co. Waverly	Piles Poles	08 08
Tidewater Plywood Co. Brunswick	Commercial veneer timber Commercial veneer blocks	19 20 30 33 35 19 20 30 33 35
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Wainman, F. A., Inspector Seaboard Air Line Railroad Co. 1108 E. 39 St., Savannah	Hewn ties	08
Walker, D. F., Waynesville	Sawlogs	08
Wood, Ray G. Box 443, Brunswick	Hewn ties	08

JEFF DAVIS COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
Brewer, Earley Rt. 1, Lumber City	Pole timber	08
Brown, Earnest Lumber City	Logger	
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Cooper, Gim, Lumber City	Logger	
Davis, W. W. Rt. 1, Waycross	Naval stores gum	04 05
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Dunn Lumber Co., Baxley	Sawlogs	08
Evans, A. E., Hazlehurst	Naval stores gum	04 05
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Filtered Rosin Products, Inc. Douglas	Naval stores gum	04 05
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haley, W. H., Hazlehurst	Pulpwood timber Pulpwood	08 08
Hardy, Albert, Lumber City	Logger	
Harrison, J. I. and H. C. Hazlehurst	Pulpwood timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23

JEFF DAVIS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	Pulpwood timber Pulpwood	08 34 08 34
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33
Shiplett Lumber Co., Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
Talley Veneer Co., Adel	Dimension bolts	08 10 12 14 19 20 22 30 33
	Package veneer blocks	08 10 12 14 19 20 22 30 33
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber Pulpwood	08 34 08 34

JENKINS COUNTY

Name and P. O. Address	Product Bought	Species
Allen, Jesse D. Box 204, Statesboro	Pulpwood timber Pulpwood	08 08
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood	08 08

JENKINS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Arnold, Emory, Millen	Logger	
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Covington, Leon, Garfield	Logger	
Covington, Paul, Garfield	Logger	
Cowart, Carlton, Millen	Logger	
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Gainey, W. H., Millen	Logger	
Glidden Co., The, Valdosta	Naval stores gum	04 05
Gunn, John, Box 706, Millen	Logger	
Gunn, R. L. Box 704, Millen	Hewn tie timber Piling timber Pole timber Logger	08 19 20 23 08 08
Harwell, Paul L. Box 101, Waynesboro	Pulpwood timber Pulpwood	08 08 34
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Higdon, J. V., Midville	Logger	
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
McLean, J. C. Box 637, Millen	Pulpwood timber	08 34
Millen Lumber Co., Millen	Sawlogs	08
Murray, Leroy, Sardis	Logger	
Peck, William A. Box 61, Statesboro	Pulpwood timber	08 34
Robinson, Wilmer, Sardis	Logger	
Sherrod, Jack, Millen	Logger	
Simmons Co., Tennille	Package veneer blocks	08 12 19 20 22 29 33

JENKINS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Standard Processing Co. Statesboro	Naval stores gum	04 05
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Sylvania Veneer Co. Box 426, Sylvania	Commercial veneer blocks	19 20 33
	Commercial veneer timber	19 20 33
Verdery, H. M. and W. H. Harlem	Pulpwood timber	08 34
	Pulpwood	08 34
Walker Mfg. Co., Inc., Millen	Package veneer timber	19 20 22 30 33 35
	Package veneer blocks	19 20 22 30 33 35
Waters, D. R., Millen	Logger	
Waters, M. V., Supervisor Central of Georgia Railway Co. Millen	Hewn ties	02 08
Waynesboro Veneer Co. Waynesboro	Commercial veneer blocks	19 20 22 29 33
	Commercial veneer timber	02 08 10 19 20 22 29 33
	Sawlogs	02 08 10 19 20 22 29 33
Williams, J. Dewey 1730 Holly Hill Road Augusta	Pulpwood	08 34

JOHNSON COUNTY

Name and P. O. Address	Product Bought	Species
Adrian Lumber Co., Adrian	Sawlogs	02 08 33
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Brantley and Lanier Harrison	Pulpwood timber	08
	Pulpwood	08
Braswell, Dillon, Adrian	Logger	

JOHNSON COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Coleman Lumber Co., Dublin	Sawlogs	08 33
Cordell Lumber Co., Inc. Dublin	Sawlogs	02 08 33
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Curry, C. E. Box 683, Dublin	Pulpwood timber Pulpwood	08 08
Fields, Claude F. Swainsboro	Pulpwood timber Pulpwood	08 34 08
Georgia Lumber and Veneer Co. Toomsboro	Commercial veneer timber Commercial veneer blocks	13 18 19 20 22 29 30 33 13 18 19 20 22 29 30 33
Hardwood Mfg. Co. Box 24, Dublin	Dimension bolts Handle bolts	10 23
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jackson, W. C., Wrightsville	Logger	
Knox Lumber Co., Soperton	Sawlogs	08 33
Pope, Lester, Wrightsville	Logger	
Raines, W. O., Wrightsville	Logger	
Rawlings, B. T., Sandersville	Pulpwood	08
Reese, E. B., Wrightsville	Logger	
Simmons Co., Tennille	Package veneer blocks	08 12 19 20 22 29 33
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Wadley Veneer and Box Co. Wadley	Package veneer blocks	19 20 22 30 33 35
Wrightsville Lumber Co. Wrightsville	Sawlogs	08

LAURENS COUNTY

Name and P. O. Address	Product Bought	Species
Adrian Lumber Co., Adrian	Sawlogs	02 08 33
Alexander, C. T. and Sons Dublin	Sawlogs	02 08 33
Anderson Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Braswell, Dillon, Adrian	Logger	
Coleman Lumber Co., Dublin	Sawlogs	08 33
Cordell Lumber Co., Inc. Dublin	Sawlogs	02 08 33
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Curry, C. E. Box 683, Dublin	Pulpwood timber Pulpwood	08 08
Georgia Lumber and Veneer Co. Toomsboro	Commercial veneer timber Commercial veneer blocks	13 18 19 20 22 29 30 33 13 18 19 20 22 29 30 33
Georgia Plywood Corp. Dublin	Commercial veneer timber Commercial veneer blocks	08 13 19 20 22 29 30 33 35 08 13 19 20 22 29 30 33 35
Hardwood Mfg. Co. Box 24, Dublin	Dimension bolts Handle bolts	10 23
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hilburn, John B., Dublin	Logger	
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Knox Lumber Co., Soperton	Sawlogs	08 33
Lawton, James M., Soperton	Pulpwood timber Pulpwood	08 34 08 34

LAURENS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
McCranie Lumber Co., Eastman	Sawlogs	08 33
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Minter Naval Stores Co. Rockledge	Naval stores gum Sawlogs Hewn tie timber	04 05 08 08 19 20
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Ringwood, H. Wrightsville & Tennille Railroad Co., Dublin	Hewn ties	02 08
Scarboro, Ray, Dublin	Logger	
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33
Shiplett Lumber Co. Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Simmons Co., Tennille	Package veneer blocks	08 12 19 20 22 29 33
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Truax Veneer Co., Lyons	Commercial veneer blocks	19 20 33
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Williams and Templeton Swainsboro	Hewn tie timber	02 08 19 20 23
	Pulpwood timber	08 34
	Pole timber	08
Yancey, T. A., R. F. D. Dublin	Logger	

LIBERTY COUNTY

Name and P. O. Address	Product Bought	Species
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood	08 08

LIBERTY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Bradley Plywood Co. Savannah	Commercial veneer blocks	19 20 22 30 33
Browning, J. F. Lumber Co. Riceboro	Sawlogs	02 08 19 20 23 30 33 35
Clarke, L. A. and Son, Inc. McIntosh	Hewn ties	08
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Fraser Lumber Co., McIntosh	Sawlogs	08
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson. E. W. Co. Box 552, Valdosta	Handle bolts	10 21
J. and J. Lumber Co. Allenhurst	Dimension bolts	19 22
Jones, C. B., Riceboro	Pulpwood timber	08
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	Pulpwood timber Pulpwood	08 23 34 08 23 34
Marsh, R. P., Townsend	Pulpwood timber Pulpwood	08 34 08 34
Martin, M. F., Flemington	Pulpwood	08
Martin, M. F., Jr., Riceboro	Pulpwood timber Pulpwood	08 08

LIBERTY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Pierpont Mfg. Co. Lathrop Ave., Savannah	Dimension bolts	02 08 19 20 22 30 33 35
	Package veneer blocks	02 08 19 20 22 30 33 35
Pinola Products Co. Lathrop Ave., Savannah	Fence posts	08
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber	19 20 22 29 30 33 35
	Package veneer blocks	19 20 22 29 30 33 35
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Riley, A. C. Ingleside Hotel, Jesup	Hewn ties	02 08 19 20
Rogers, G. C., Jr., Darien	Sawlogs	02 08
Wainman, F. A., Inspector Seaboard Air Line Railroad Co. 1108 E. 39 St., Savannah	Hewn ties	08
Williamson, James, Eulonia	Pulpwood	08

LONG COUNTY

Name and P. O. Address	Product Bought	Species
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber	08
	Pulpwood	08
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs	02 08
	Commercial veneer blocks	19 20 22 29 30 33 35
Atlantic Creosoting Co. Box 177, Savannah	Piling timber	08
	Pole timber	08
	Hewn ties	08
	Piles	08
	Poles	08
Bracken, C. O. Pulpwood Co. Box 161, Waycross	Pulpwood timber	08 34
	Pulpwood	08 34
Browning, J. F. Lumber Co. Riceboro	Sawlogs	02 08 19 20 23 30 33 35

LONG COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Clarke, L. A. and Son, Inc. McIntosh	Hewn ties	08
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Fraser Lumber Co., McIntosh	Sawlogs	08
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
J. and J. Lumber Co. Allenhurst	Dimension bolts	19 22
Jones Lumber Co., Jesup	Sawlogs	08
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	Pulpwood timber Pulpwood	08 23 34 08 23 34
Marsh, R. P., Townsend	Pulpwood timber Pulpwood	08 34 08 34
Martin, M. F., Jr., Riceboro	Pulpwood timber Pulpwood	08 08
McCann Lumber Co., Doctortown	Sawlogs Commercial veneer blocks	02 08 10 18 19 20 22 23 30 33 35 19 20 33
Reddish, W. L., Jesup	Sawlogs	08 19 20 33
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Riley, A. C. Ingleside Hotel, Jesup	Hewn ties	02 08 19 20
Rogers, G. C., Jr., Darien	Sawlogs	02 08
Tidewater Plywood Co. Brunswick	Commercial veneer timber Commercial veneer blocks	19 20 30 33 35 19 20 30 33 35

LONG COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Tillman, R. R., Ludowici	Hewn tie timber	08
Tippins, H. H., Ludowici	Hewn tie timber	08
Townsend, M. W. Jones, (P. O. Riceboro)	Pulpwood timber Pulpwood Logger	08 08
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Williams Bros., Meridian	Hewn tie timber	02 08 19 20
Williamson, James, Eulonia	Pulpwood	08

McINTOSH COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Browning, J. F. Lumber Co. Riceboro	Sawlogs	02 08 19 20 23 30 33 35
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Edgy Lumber and Supply Co. Rt. 2, Brunswick	Sawlogs	02 08 23 33
Fraser Lumber Co., McIntosh	Sawlogs	08
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21

McINTOSH COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
J. and J. Lumber Co. Allenhurst	Dimension bolts	19 22
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	Pulpwood timber Pulpwood	08 23 34 08 23 34
Marsh, R. P., Townsend	Pulpwood timber Pulpwood	08 34 08 34
Martin, M. F., Jr., Riceboro	Pulpwood timber Pulpwood	08 08
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber Package veneer blocks	19 20 22 29 30 33 35 19 20 22 29 30 33 35
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Riley, A. C. Ingleside Hotel, Jesup	Hewn ties	02 08 19 20
Rogers, G. C., Jr., Darien	Sawlogs	02 08
Tidewater Plywood Co. Brunswick	Commercial veneer timber Commercial veneer blocks	19 20 30 33 35 19 20 30 33 35
Townsend, Livingston Eulonia	Logger	
Townsend, M. W. Jones, (P. O. Riceboro)	Pulpwood timber Pulpwood Logger	08 08
Wainman, F. A., Inspector Seaboard Air Line Railroad Co. 1108 E. 39 St., Savannah	Hewn ties	08
Williams Bros., Meridian	Hewn tie timber Pulpwood	02 08 19 20 08 23 34
Williamson, James, Eulonia	Pulpwood	08
Wood, Ray G. Box 443, Brunswick	Hewn ties	08

For explanation of species code numbers see page 15.

MONTGOMERY COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Corbin, L. R., Vidalia	Pulpwood timber Pulpwood	08 34 08
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Fountain, C. B., Mt. Vernon	Logger	
Georgia Plywood Corp. Dublin	Commercial veneer timber Commercial veneer blocks	08 13 19 20 22 29 30 33 35 08 13 19 20 22 29 30 33 35
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, A. C. Rt. 2, Uvalde	Sawlogs	08 19 23 33
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08

MONTGOMERY COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Knox Lumber Co., Soperton	Sawlogs	08 33
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	Pulpwood timber Pulpwood	08 34 08 34
Lawton, James M., Soperton	Pulpwood timber Pulpwood	08 34 08 34
Macomber, W. F., Sylvania	Pulpwood timber	08
Mayo, G. E., Box 175, Lyons	Pulpwood timber	08 34
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33
Shiplett Lumber Co., Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Telfair Tie Co., McRae	Hewn ties	08 19 20 23
Thompson, D. W., Lyons	Sawlogs	08 33
Truax Veneer Co., Lyons	Commercial veneer blocks	19 20 33
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Waynesboro Veneer Co. Waynesboro	Commercial veneer blocks	19 20 22 29 33
Williams and Templeton Swainsboro	Hewn tie timber Pole timber Pulpwood timber	02 08 19 20 23 08 08 34

PIERCE COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23

PIERCE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Bracken, C. O. Pulpwood Co. Box 161, Waycross	Pulpwood timber Pulpwood	08 34 08 34
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 23 34 08 23 34
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Cooney, C. T. and Sons, Inc. Box 382, Waycross	Hewn ties	08 19
Davis, W. W. Rt. 1, Waycross	Naval stores gum	04 05
Dixon, H. Rt. 2, Waycross	Sawlogs	08
Douglas, R. G., Area Manager Brunswick Pulp & Paper Co. Nicholls	Pulpwood timber Pulpwood	08 23 34 08 23 34
Eastside Lumber Co. 306 Samuel St., Waycross	Sawlogs	08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Highsmith, J. R. and Son Rt. 2, Waycross	Sawlogs	02 08
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08

PIERCE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Jones Lumber Co., Jesup	Sawlogs	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
McCann Lumber Co., Doctortown	Sawlogs	02 08 10 18 19 20 22 23 30 33 35
Strickland Veneer and Lumber Co. Waycross	Package veneer timber Sawlogs Package veneer blocks	19 20 22 30 33 35 02 08 19 20 22 30 33 35
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber Pulpwood	08 34 08 34

SCREVEN COUNTY

Name and P. O. Address	Product Bought	Species
Allen, Jesse D. Box 204, Statesboro	Pulpwood timber Pulpwood	08 08
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber Pulpwood	08 08
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Bell and Clark, Halcyondale	Logger	
Boyd, M. A., Sylvania	Logger	
Burke, Walter, Supervisor Central of Georgia Railway Co. Savannah	Hewn ties	02 08
Crews, Jim, Sylvania	Logger	

SCREVEN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Darby, F. W. Lumber Co. Statesboro	Sawlogs	08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Gunn, R. L. Box 704, Millen	Hewn tie timber Piling timber Pole timber	08 19 20 23 08 08
Harwell, Paul L. Box 101, Waynesboro	Pulpwood timber Pulpwood	08 08 34
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Macomber, W. F., Sylvania	Pulpwood timber	08
McLean, J. C. Box 637, Millen	Pulpwood timber	08 34
Mobley Lumber Co., Sylvania	Sawlogs	08
Murray, Leroy, Sardis	Logger	
Peck, William A. Box 61, Statesboro	Pulpwood timber	08 34
Pfeiffer, Otto, Sylvania	Logger	
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber Package veneer blocks	19 20 22 29 30 33 35 19 20 22 29 30 33 35
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Robinson, Wilmer, Sardis	Logger	
Sanders, W. P., Millhaven	Logger	
Smith and Chivers Sylvania	Sawlogs	08
Standard Processing Co. Statesboro	Naval stores gum	04 05
Sylvania Lumber Co. Sylvania	Sawlogs	08
Sylvania Veneer Co. Box 426, Sylvania	Commercial veneer timber Commercial veneer blocks	19 20 33 19 20 33

SCREVEN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Walker Mfg. Co., Inc., Millen	Package veneer timber	19 20 22 30 33 35
	Package veneer blocks	19 20 22 30 33 35
Waynesboro Veneer Co. Waynesboro	Commercial veneer timber	02 08 10 19 20 22 29 33
	Commercial veneer blocks	19 20 22 29 33
Zittrouer, H. W. Savannah and Atlanta Railway Co. Newington	Hewn ties	08
Zittrouer, H. W., Newington	Hewn tie timber	08 19 20 23

TATTNALL COUNTY

Name and P. O. Address	Product Bought	Species
Allen, S. A., Inc. Box 426, Savannah	Pulpwood timber	08
	Pulpwood	08
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber	08
	Pole timber	08
	Hewn ties	08
	Piles	08
	Poles	08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs	02 08
	Commercial veneer blocks	19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
City Lumber Co., Metter	Sawlogs	08
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Coston, J. D., Metter	Hewn tie timber	08
Cowart, E. C. and Sons Reidsville	Sawlogs	08 33
Cullens, W. R. Box 298, Dublin	Pulpwood timber	08 34
	Pulpwood	08 34

TATTNALL COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Macomber, W. F., Sylvania	Pulpwood timber	08
Mayo, G. E. Box 175, Lyons	Pulpwood timber	08 34
McCann Lumber Co., Doctortown	Sawlogs	02 08 10 18 19 20 22 23 30 33 35
	Commercial veneer blocks	19 20 33
Peck, William A. Box 61, Statesboro	Pulpwood timber	08 34
Proctor, W. J., Claxton	Pulpwood timber Pulpwood	08 08
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber	19 20 22 29 30 33 35
	Package veneer blocks	19 20 22 29 30 33 35
Reynolds and Manley Lumber Co. Savannah	Sawlogs	02 08 10 19 20 22 23 30 33 35
Shiplett Lumber Co., Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35

TATTNALL COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Smith, Sylvester Reidsville	Pulpwood timber Pulpwood	08 08
Standard Processing Co. Statesboro	Naval stores gum	04 05
Stephens, O. M., Collins	Logger	
Thompson, D. W., Lyons	Sawlogs	08 33
Tippins, Alex, Claxton	Hewn ties	08
Truax Veneer Co., Lyons	Commercial veneer blocks	19 20 33
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Waynesboro Veneer Co. Waynesboro	Commercial veneer blocks	19 20 22 29 33
Williams and Templeton Swainsboro	Pole timber Pulpwood timber Hewn tie timber	08 08 34 02 08 19 20 23
Wood, T. J., Bellville	Naval stores gum	04 05

TELFAIR COUNTY

Name and P. O. Address	Product Bought	Species
Alexander, C. T. and Sons Dublin	Sawlogs	02 08 33
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Brewer, Earley Rt. 1, Lumber City	Pole timber	08
Brown, Earnest Lumber City	Logger	
Butler, R. B., McRae	Logger	
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Coleman Lumber Co. Dublin	Sawlogs	08 33

TELFAIR COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Columbia Naval Stores Co. Fitzgerald	Naval stores gum	04 05
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Cooper, Gim, Lumber City	Logger	
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Dennis, L. L. Lumber Co. Rhine	Sawlogs	08
Filtered Rosin Products, Inc. Douglas	Naval stores gum	04 05
Georgia Plywood Corp. Dublin	Commercial veneer timber Commercial veneer blocks	08 13 19 20 22 29 30 33 35 08 13 19 20 22 29 30 33 35
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haley, W. H., Hazlehurst	Pulpwood timber Pulpwood	08 08
Hardy, Albert, Lumber City	Logger	
Harrison, J. I. and H. C. Hazlehurst	Pulpwood timber	08
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08

TELFAIR COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	Pulpwood timber Pulpwood	08 34 08 34
McCranie Lumber Co., Eastman	Sawlogs	08 33
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Melton, T. D., Albany	Pulpwood	08
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33
Shiplett Lumber Co., Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
Talley Veneer Co., Adel	Dimension bolts Package veneer blocks	08 10 12 14 19 20 22 30 33 08 10 12 14 19 20 22 30 33
Telfair Tie Co., McRae	Hewn ties	08 19 20 23
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber Pulpwood	08 34 08 34
Williams and Templeton Swainsboro	Pole timber Pulpwood timber Hewn tie timber	08 08 34 02 08 19 20 23

TOOMBS COUNTY

Name and P. O. Address	Product Bought	Species
Alexander, Harvey, Lyons	Logger	
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23

TOOMBS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
Bryson, Willie, Lyons	Logger	
Cook and Co., Hazlehurst	Pulpwood timber Pulpwood	08 08
Corbin, L. R., Vidalia	Pulpwood timber Pulpwood	08 34 08
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hilliard, T. H., Lyons	Sawlogs	08
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Jessup, W. L., Sr. Eastman	Hewn ties	08 19 20 23
Johnson, A. C. Rt. 2, Uvalde	Sawlogs	08 19 23 33
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08

TOOMBS COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Knox Lumber Co., Soperton	Sawlogs	08 33
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	Pulpwood timber Pulpwood	08 34 08 34
Lawton, James M., Soperton	Pulpwood timber Pulpwood	08 34 08 34
Macomber, W. F., Sylvania	Pulpwood timber	08
Mayo, G. E., Box 175, Lyons	Pulpwood timber	08 34
Monroe, C. C., Lyons	Logger	
Mosley, Clyde, Lyons	Logger	
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Rathborne, Hair and Ridgway Co. Box 97, Savannah	Package veneer timber Package veneer blocks	19 20 22 29 30 33 35 19 20 22 29 30 33 35
Shiplett Lumber Co., Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Smith, Sylvester Reidsville	Pulpwood timber Pulpwood	08 08
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Thompson, D. W., Lyons	Sawlogs	08 33
Tippins, Alex, Claxton	Hewn ties	08
Truax Veneer Co., Lyons	Commercial veneer blocks	19 20 33
Tuten, W. H. and A. W. Rt. 4, Lyons	Logger	
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Williams and Templeton Swainsboro	Hewn tie timber Pole timber Pulpwood timber	02 08 19 20 23 08 08 34

TREUTLEN COUNTY

Name and P. O. Address	Product Bought	Species
Adrian Lumber Co., Adrian	Sawlogs	02 08 33
Alexander, C. T. and Sons Dublin	Sawlogs	02 08 33
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Blythe Lumber Co. Box 375, Vidalia	Sawlogs	08 19 33
Braswell, Dillon, Adrian	Logger	
Coleman Lumber Co., Dublin	Sawlogs	08 33
Cordell Lumber Co., Inc. Dublin	Sawlogs	02 08 33
Cullens, W. R. Box 298, Dublin	Pulpwood timber Pulpwood	08 34 08 34
Dixon-Carter Lumber Co. Vidalia	Sawlogs	08 19 33
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Georgia Plywood Corp. Dublin	Commercial veneer timber	08 13 19 20 22 29 30 33 35
	Commercial veneer blocks	08 13 19 20 22 29 30 33 35
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hardwood Mfg. Co. Box 24, Dublin	Dimension bolts Handle bolts	10 23
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Knox Lumber Co., Soperton	Sawlogs	08 33
Lawton, James M., Soperton	Pulpwood timber Pulpwood	08 34 08 34

TREUTLEN COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Macomber, W. F., Sylvania	Pulpwood timber	08
Mayo, G. E., Box 175, Lyons	Pulpwood timber	08 34
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Minter Naval Stores Co. Rockledge	Naval stores gum Sawlogs	04 05 08
Shiplett Lumber Co. Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Standard Processing Co. Swainsboro	Naval stores gum	04 05
Swainsboro Lumber Co. Box 330, Swainsboro	Sawlogs	02 08 19 20 33
Thompson, D. W., Lyons	Sawlogs	08 33
Truax Veneer Co., Lyons	Commercial veneer blocks	19 20 33
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Williams and Templeton Swainsboro	Hewn tie timber	02 08 19 20 23
	Pole timber	08
	Pulpwood timber	08 34

WARE COUNTY

Name and P. O. Address	Product Bought	Species
Albany Northern Railway Co. Albany	Hewn ties	02
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08 23
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Baker, Pete, Waycross	Hewn tie timber	08
Bateman, J. R., Homerville	Pulpwood timber Pulpwood	08 08
Bennett, G. P., Waycross	Hewn tie timber	08

WARE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Bracken, C. O. Pulpwood Co. Box 161, Waycross	Pulpwood timber Pulpwood	08 34 08 34
Brown, Lindsay W., Area Manager Brunswick Pulp & Paper Co. 300 Pineview Drive, Waycross	Pulpwood timber Pulpwood	08 34 08 34
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Coney, John, Waycross	Hewn tie timber	08
Cooney, C. T. and Sons, Inc. Box 382, Waycross	Hewn ties	08 19
Davis, W. W. Rt. 1, Waycross	Naval stores gum	04 05
Dixon, H. Rt. 2, Waycross	Sawlogs	08
Eastside Lumber Co. 306 Samuel St., Waycross	Sawlogs	08
Fuller, Lester, Waycross	Hewn tie timber	08
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Gillis, N. L. and Sons Millwood	Naval stores gum	04 05
Glidden Co., The, Valdosta	Naval stores gum	04 05
Gorman, R. A., Waycross	Logger	
Harris, A. S. Box 396, Valdosta	Pulpwood timber	08
Henderson, M. M., Waresboro	Hewn tie timber	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Herrin, Z. K., Waycross	Logger	
Highsmith, J. R. and Son Rt. 2, Waycross	Sawlogs	02 08
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08

WARE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
McCann Lumber Co., Doctortown	Sawlogs	02 08 10 18 19 20 22 23 30 33 35
Moody, Ike, Waycross	Hewn tie timber	08
Pearson Gum Processing Co. Pearson	Naval stores gum	04 05
Simpson, T. C., Waycross	Hewn tie timber	08
Smith, David, Waycross	Logger	
Smith, Foster, Waycross	Logger	
Star Naval Stores Co. Homerville	Naval stores gum	04 05
St. Regis Paper Co., Fargo	Sawlogs.	08
Strickland, J. B., Waycross	Logger	
Strickland Veneer and Lumber Co. Waycross	Package veneer timber Package veneer blocks Sawlogs	19 20 22 30 33 35 19 20 22 30 33 35 02 08
Stubbs, Claude M., Inc. State St., Waycross	Hewn ties	08
Tucker and Clark, Waycross	Logger	
Turner, K. A., Waycross	Logger	
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Welch, J. H., Rt. 3, Sylvester	Fence posts	09

WAYNE COUNTY

Name and P. O. Address	Product Bought	Species
Anderson-Hudson Tie Co. Lake City, Florida	Hewn ties	02 08.23
Atlantic Creosoting Co. Box 177, Savannah	Piling timber Pole timber Hewn ties Piles Poles	08 08 08 08 08

WAYNE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Atlantic Lumber and Plywood Co. Ludowici	Sawlogs Commercial veneer blocks	02 08 19 20 22 29 30 33 35
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Bracken, C. O. Pulpwood Co. Box 161, Waycross	Pulpwood timber Pulpwood	08 34 08 34
Coastal Forest Farms Box 536, Brunswick	Pulpwood timber Pulpwood	08 34 08 34
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05
Columbia Naval Stores Co. Jesup	Naval stores gum	04 05
Dyal, James E., Jr. Box 81, Surrency	Pulpwood	08
Fender, George, Jesup	Hewn tie timber	08
Filtered Rosin Products, Inc. Baxley	Naval stores gum	04 05
Georgia Creosoting Co. Brunswick	Piles Poles	08 08
Glidden Co., The, Valdosta	Naval stores gum	04 05
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Highland Crate Cooperative Woodbine	Package veneer blocks	08 10 19 20 22 30 33 35
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
J. and J. Lumber Co. Allenhurst	Dimension bolts	19 22
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Jones Lumber Co., Jesup	Sawlogs	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Knox, J. B., Area Manager Brunswick Pulp & Paper Co. Brunswick	Pulpwood timber Pulpwood	08 23 34 08 23 34

WAYNE COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
McCann Lumber Co., Doctortown	Sawlogs	02 08 10 18 19 20 22 23 30 33 35
	Commercial veneer blocks	19 20 33
Moody, Carl, Odum	Pulpwood timber	08
	Pulpwood	08
Reddish, W. L., Jesup	Sawlogs	08 19 20 33
Riley, A. C. Ingleside Hotel, Jesup	Hewn ties	02 08 19 20
Southeastern Timber Co. Box 295, Jesup	Pulpwood timber	08
	Pulpwood	08
Tidewater Plywood Co. Brunswick	Commercial veneer timber	19 20 30 33 35
	Commercial veneer blocks	19 20 30 33 35
Turpentine Farmers Corp. Waycross	Naval stores gum	04 05
Varn, K. S. and Co., Hoboken	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber	08 34
	Pulpwood	08 34
Wood, Ray G. Box 443, Brunswick	Hewn ties	08

WHEELER COUNTY

Name and P. O. Address	Product Bought	Species
Alexander, C. T. and Sons Dublin	Sawlogs	02 08 33
Augusta Hardwood Co., Augusta	Sawlogs	02 08
Brewer, Earley Rt. 1, Lumber City	Pole timber	08
Brown, Earnest Lumber City	Logger	
Butler, R. B., McRae	Logger	
Coleman Lumber Co., Dublin	Sawlogs	08 33
Columbia Naval Stores Co. Hazlehurst	Naval stores gum	04 05

WHEELER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
Cook and Co., Hazlehurst	Pulpwood timber	08
	Pulpwood	08
Cooper, Gim, Lumber City	Logger	
Cullens, W. R. Box 298, Dublin	Pulpwood timber	08 34
	Pulpwood	08 34
Georgia Plywood Corp. Dublin	Commercial veneer timber	08 13 19 20 22 29 30 33 35
	Commercial veneer blocks	08 13 19 20 22 29 30 33 35
Glidden Co., The, Valdosta	Naval stores gum	04 05
Haley, W. H., Hazlehurst	Pulpwood timber	08
	Pulpwood	08
Hardwood Mfg. Co. Box 24, Dublin	Handle bolts	23
	Dimension bolts	10
Hardy, Albert, Lumber City	Logger	
Haynes, W. B., Inspector Seaboard Air Line Railroad Co. 409 S. Main St., Fitzgerald	Hewn ties	08
Hercules Powder Co., Brunswick	Naval stores stumps	04 05
Hinshaw, S. M., Inspector c/o Southern Ry. Baggage Agent Valdosta	Hewn ties	02 08 23
Jackson, E. W. Co. Box 552, Valdosta	Handle bolts	10 21
Johnson, A. C. Rt. 2, Uvalde	Sawlogs	08 19 23 33
Johnson, J. H., Inspector Taylor-Colquitt Co. Furman, South Carolina	Poles	08
Joyce, Dewey 502 Peachtree St., Vidalia	Pole timber	08
Knox Lumber Co., Soperton	Sawlogs	08 33
Lambright, James R., Area Manager Brunswick Pulp & Paper Co. Baxley	Pulpwood timber	08 34
	Pulpwood	08 34
Macomber, W. F., Sylvania	Pulpwood timber	08
Mayo, G. E., Box 175, Lyons	Pulpwood timber	08 34

WHEELER COUNTY (Continued)

Name and P. O. Address	Product Bought	Species
McRae Processing-Supply Co. McRae	Naval stores gum	04 05
Peninsular-Lurton Co. Helena	Naval stores gum	04 05
Shepherd Lumber Corp. of Georgia McRae	Sawlogs	02 08 33
Shiplett Lumber Co. Vidalia	Sawlogs	02 08 10 19 20 22 23 29 30 33 35
Smith, J. O., Alamo	Logger	
Smith, Tom B., Buyer Southern Wood Preserving Co. Box 126, Scotland	Poles	08
Telfair Tie Co., McRae	Hewn ties	08 19 20 23
Truax Veneer Co., Lyons	Commercial veneer blocks	19 20 33
Vidalia Gum Turpentine Co. Vidalia	Naval stores gum	04 05
Walker, V. C., Hazlehurst	Pulpwood timber Pulpwood	08 34 08 34
Williams and Templeton Swainsboro	Hewn tie timber Pole timber Pulpwood timber	02 08 19 20 23 08 08 34

For explanation of species code numbers see page 15.

APPENDIX

SPECIFICATIONS FOR SOUTHERN PINE POLES

(Adapted from "American Standard Specifications and Dimensions for Wood Poles," American Standards Association, 05.1-1948).

These specifications cover southern pine poles which are to be given a preservative treatment. Poles are to be classified in accordance with the tables of dimensions.

The length and class of poles wanted shall be stated in the orders.

Complete detailed instructions shall be given the supplier in all cases where modifications are to be made in these specifications to meet special requirements.

MATERIAL REQUIREMENTS

Species

All poles shall be cut from live southern pine timber, Longleaf Pine (Pinus palustris), Shortleaf Pine (Pinus echinata), Loblolly Pine (Pinus taeda), Slash Pine (Pinus caribaea), and Pond Pine (Pinus rigida serotina).

Prohibited Defects

Cross-breaks (cracks). Bird holes. Plugged holes, except increment borer holes. Hollow butts or tops, except as permitted under "Hollow pith centers" and "Defective butts." Marine borer damage. Splits or through-checks in the top. Decay, except as permitted under "Firm red heart," "Dead knots," and "Defective butts." Nails, spikes, and other metal not specifically authorized by the purchaser.

Permitted Defects

Sap stain.--Sap stain that is not accompanied by softening or other disintegration (decay) of the wood is permitted.

Firm red heart.--Firm red heart not accompanied by softening or other disintegration (decay) of the wood is permitted.

Spiral grain.--Spiral grain (twist grain) is permitted as follows:

Length of pole	Maximum twist of grain permitted
30 feet and shorter	1 complete twist in any 10 feet
35 to 45 feet	1 complete twist in any 16 feet
50 feet and longer	1 complete twist in any 20 feet

Hollow pith centers.--Hollow pith centers in the tops or butts and in knots are permitted in poles that are to be given full-length treatment.

Limited Defects

Checks and splits in butts.--Through-checks or splits in the butt surface are permitted, provided that their height from the butt along the side surface does not exceed 2 feet.

Shakes.--Shakes in the butt surface extending through an arc of not more than 90 degrees are permitted. Shakes extending through an arc of more than 90 degrees are permitted when they are inside of a circle the center of which corresponds to the center of the butt surface and the diameter of which is not greater than one-half the average butt diameter.

Shakes in the top surface are permitted in poles that are to be given full-length treatment provided that the width of the shake does not exceed 1/16-inch and provided that the diameter of the shake is not greater than one-half the diameter of the top of the pole.

Insect damage.--Insect damage consisting of holes 1/16-inch or less in diameter, or surface scoring or channeling are permitted. All other forms of insect damage are prohibited.

Knots.--The diameter of any single knot or the sum of the diameters of all knots in any 1-foot section shall not exceed the limits set up in the following table. Knots $\frac{1}{2}$-inch or less in diameter shall be ignored in applying the limitations for the sum of diameters.

Maximum sizes of knots permitted

Length of pole	Diameter of any single knot		Sum of diameters of all knots in any 1-foot section
	Class 1 - 3	Class 4 - 10	All classes
	Inches	Inches	Inches
45 feet or less	4	3	8
50 feet or more	5	5	10

Dead knots.--Decay is permitted in knots provided it is not associated with heart rot.

Scars.--No pole shall have a scar or turpentine face located within 2 feet of the ground line. Turpentine scars need be trimmed only to the extent necessary to examine for evidence of fungus infection and insect damage. Other sound scars are permitted elsewhere on the pole surface, provided they are smoothly trimmed and do not interfere with the placing of cross arms or other fittings, and provided:

(a) That the circumference at any point on trimmed surfaces located between the butt and 2 feet below the ground line is not less than the minimum circumference specified at 6 feet from the butt for the class and length of the pole.

(b) That the depth of the trimmed scar is not more than 2 inches if the diameter of the pole is 10 inches or less, or one-fifth of the pole diameter at the location of the scar if such diameter is more than 10 inches.

Dead streaks.--Sound dead streaks not wider than one-fourth of the circumference of the pole at the point of measurement are permitted.

Compression wood.--The outer one inch of all poles shall be free from compression wood.

Defective butts.--Hollowing in the butt caused by "splinter pulling" in felling the tree is permitted, provided that the area of such a hollow is less than 10 percent of the butt area.

Shape.--Poles shall be free from short crooks. See diagrams on last page.

A pole may have sweep subject to the following limitations:

(a) Where sweep is in one plane and one direction only, a straight line joining the surface of the pole at the ground line and the edge of the pole at the top shall not be distant from the surface of the pole at any point by an amount greater than 1 inch for each 6 feet of length between these points.

(b) Where sweep is in two planes (double sweep) or in two directions in one plane (reverse sweep), a straight line connecting the mid-point at the ground line with the mid-point at the top shall not at any intermediate point pass through the external surface of the pole.

DIMENSIONS

Length

Poles less than 50 feet in length shall not be more than 3 inches shorter or 6 inches longer than nominal length. Poles 50 feet or over in length shall not be more than 6 inches shorter or 12 inches longer than nominal length.

Length shall be measured between the extreme ends of the pole.

Circumference

The minimum circumferences and corresponding diameters at 6 feet from the butt (except for Classes 8, 9, and 10) and at the top for each length and class of pole are listed in the tables of dimensions. The

circumference at 6 feet from the butt of poles in Classes 1 to 7 inclusive, shall be not more than 7 inches larger than the specified minimum.

The top dimensional requirement shall apply at a point corresponding to the minimum length permitted for the pole.

Classification

The true circumference class shall be determined as follows: Measure the circumference at 6 feet from the butt. This dimension will determine the true class of the pole, provided that its top (measured at the minimum length point) is large enough. Otherwise, the circumference at the top will determine the true class, provided that the circumference at 6 feet from the butt does not exceed the specified minimum by more than 7 inches.

MANUFACTURING REQUIREMENTS

Bark Removal

Outer bark shall be completely removed from all poles.

On all poles no patch of inner bark more than 1 inch wide shall be left on the pole surface between the butt and 2 feet below the ground line.

On poles that are to be full-length treated, no patch of inner bark larger than 1 inch wide and 6 inches long shall be left on the pole surface between the top and 2 feet below the ground line.

On poles that are to be butt-treated, no patch of inner bark larger than 1 inch wide and 6 inches long shall be left on the pole surface between points 1 foot above and 2 feet below the ground line.

Sawing

All poles shall be neatly sawed at the top (unless otherwise ordered) and at the butt along a plane which shall not be out of square with the axis of the pole by more than 2 inches per foot of diameter of the sawed surface. Beveling at the edge of the sawed butt surface not more than one-twelfth of the butt diameter in width, or an equivalent area unsymmetrically located, is permitted.

Trimming

Completely overgrown knots rising more than 1 inch above the pole surface, branch stubs, and partially overgrown knots, shall be trimmed close. Completely overgrown knots less than 1 inch high need not be trimmed. Trimming may be done by shaving machine or by hand.

STORAGE AND HANDLING

Storage

When it is necessary for any reason to hold poles in storage, they shall be stacked on treated skids of such dimensions and so arranged as to support the poles without producing noticeable distortion of any of them. Poles shall be piled in such a manner as to permit free circulation of air, and they shall be supported at all points at least 1 foot above the general ground level or any vegetation growing thereon. No decayed or decaying wood shall be permitted to remain underneath stored poles.

Handling

Pole tongs, cant hooks, or other tools shall not be applied to the ground line section of any pole.

DEFINITION OF TERMS

The following definitions shall apply in these specifications:

Check.--A check is a separation of the wood along the grain, the greater part of which occurs across the rings of annual growth. A through-check extends from surface to surface of the pole, usually through the pith center.

Compression wood.--Compression wood is abnormal wood that often forms on the lower side of branches and inclined trunks of coniferous trees. Compression wood is (a) characterized by relatively wide annual rings, usually eccentric; (b) has a relatively high proportion of summerwood (frequently more than 50 percent of the width of the annual rings in which it occurs); (c) exhibits but little contrast in color between springwood and summerwood, and (d) shrinks excessively lengthwise as compared with normal wood.

Cross-break (crack).--A cross-break is a separation of the wood cells across the grain. Such breaks may be due to internal strains resulting from unequal longitudinal shrinkage or to external forces.

Dead knot.--A dead knot is a knot left by a branch that died before the tree was cut. An encased knot is a dead knot in which the growth layers are not intergrown with those of the surrounding wood. Dead knots may contain soft fibers (decay) that usually do not extend deeper than an inch or two from the pole surface. They are distinct from rotten or decayed knots in which the loose or soft fibers (decay) may extend the full length of the knot into the pole, and which are frequently associated with heart rot.

Dead streak.--A dead streak is any portion of the sapwood in which the life processes had ended prior to the cutting of the tree. A dead streak starts from the butt and differs from a wound, such as a cat face

or scar, where the growth of new wood shows that life processes are still acting to repair the injured part.

Decay.--Decay is the disintegration of wood substance due to the action of wood-destroying fungi. Rot and dote mean the same as decay.

Face of pole.--The face of a pole is the concave side, or the side of greatest curvature in poles having reverse or double sweep, between the ground line and top.

Ground-line section.--The ground-line section is that portion of a pole between 1 foot above and 2 feet below the ground line as defined in the pole dimension tables.

Hollow heart.--A hollow heart is a hollow in the heartwood of a living tree caused by insects or fungi.

Hollow pith center.--A hollow pith center is a small hole at the center of the trunk, or of a knot, caused by disintegration of the pith (small soft core occurring in the structural center of a tree or branch).

Insect damage.--Insect damage is the result of boring in the pole by insects or insect larvae. Scoring or channeling of the pole surface is not classed as insect damage.

Knot diameter.--A knot diameter is the diameter of a knot on the surface of the pole measured in a direction at right angles to the lengthwise axis of the pole.

Red heart.--Red heart is caused by a fungus, Fomes pini, that occurs in the living tree. It is characterized in the early stages of infection by a reddish or brownish color in the heartwood. This is known as "firm red heart." Later the wood, in the case of the living tree, disintegrates (decays) in small, usually distinct areas that develop into white-line pockets.

Sap stain.--Sap stain is a discoloration of the sapwood caused by the action of certain molds and fungi that is not accompanied by softening or disintegration of the wood.

Scar (cat face).--A scar is a depression in the surface of the pole resulting from a wound where healing has not re-established the normal cross-section of the pole.

Shake.--A shake is a separation along the grain, the greater part of which occurs between the rings of annual growth.

Short crook.--A short crook is a localized deviation from straightness which, within any section 5 feet or less in length, is more than one-half the mean diameter of the crooked section. See diagrams on last page.

Spiral grain (twist grain).--Spiral grain is a type of growth in which the fibers take a spiral course about the bole of a tree instead of the normal vertical course. The spiral may extend right-handed or left-handed around the tree trunk. The amount of spiral grain in a pole is measured as the distance in feet along the axis of the pole in which one complete twist of the spiral occurs, and is expressed as for example, 1 in 10.

Split.--A split is a lengthwise separation of the wood due to the tearing apart of the wood cells, extending from surface to surface of the pole.

Sweep.--Sweep is the deviation of a pole from straightness. See diagrams on last page.

Dimensions of southern pine poles
(Fiber stress 7,400 pounds per square inch)

Class		1	2	3	4	5	6	7	8	9	10
Minimum circumference at top (Inches)		27	25	23	21	19	17	15	18	15	12
Length of pole	Distance butt to ground line 1/	Minimum circumference at 6 feet from butt									
Feet	Feet	Inches	Inches	Inches	Inches	Inches	Inches	Inches			
16	3½					21.5	19.5	18.0	No butt requirements 2/	No butt requirements 2/	No butt requirements 2/
18	3½			26.5	24.5	22.5	21.0	19.0			
20	4	31.5	29.5	27.5	25.5	23.5	22.0	20.0			
22	4	33.0	31.0	29.0	26.5	24.5	23.0	21.0			
25	5	34.5	32.5	30.0	28.0	26.0	24.0	22.0			
30	5½	37.5	35.0	32.5	30.0	28.0	26.0	24.0			
35	6	40.0	37.5	35.0	32.0	30.0	27.5	25.5			
40	6	42.0	39.5	37.0	34.0	31.5	29.0	27.0			
45	6½	44.0	41.5	38.5	36.0	33.0	30.5	28.5			
50	7	46.0	43.0	40.0	37.5	34.5	32.0	29.5			
55	7½	47.5	44.5	41.5	39.0	36.0	33.5				
60	8	49.5	46.0	43.0	40.0	37.0	34.5				
65	8½	51.0	47.5	44.5	41.5	38.5					
70	9	52.5	49.0	46.0	42.5	39.5					
75	9½	54.0	50.5	47.0	44.0						
80	10	55.0	51.5	48.5	45.0						
85	10½	56.5	53.0	49.5							
90	11	57.5	54.0	50.5							
95	11	58.5	55.0	51.5							
100	11	60.0	56.0	52.5							

1/ The figures in this column are intended solely for use whenever a definition of ground line is necessary in order to apply specification requirements relating to scars, straightness, etc.

2/ Lines indicate length limits.

Diameter specifications for southern pine poles[1/]

Class	1	2	3	4	5	6	7	8	9	10
Minimum diameter at top (Inches)	8.6	8.0	7.3	6.7	6.0	5.4	4.8	5.7	4.8	3.8
Length of pole	Minimum diameter at 6 feet from butt									
Feet	Inches	Inches	Inches	Inches	Inches	Inches	Inches			
16					6.8	6.2	5.7			
18			8.4	7.8	7.2	6.7	6.0			
20	10.0	9.4	8.8	8.1	7.5	7.0	6.4			
22	10.5	9.9	9.2	8.4	7.8	7.3	6.7			
25	11.0	10.3	9.5	8.9	8.3	7.6	7.0			
30	11.9	11.1	10.3	9.5	8.9	8.3	7.6			
35	12.7	11.9	11.1	10.2	9.5	8.8	8.1			
40	13.4	12.6	11.8	10.8	10.0	9.2	8.6			
45	14.0	13.2	12.3	11.5	10.5	9.7	9.1			
50	14.6	13.7	12.7	11.9	11.0	10.2	9.4			
55	15.1	14.2	13.2	12.4	11.5	10.7				
60	15.8	14.6	13.7	12.7	11.8	11.0				
65	16.2	15.1	14.2	13.2	12.3					
70	16.7	15.6	14.6	13.5	12.6					
75	17.2	16.1	15.0	14.0						
80	17.5	16.4	15.4	14.3						
85	18.0	16.9	15.8							
90	18.3	17.2	16.1							
95	18.6	17.5	16.4							
100	19.1	17.9	16.7							

No butt requirements[2/] (8)

No butt requirements[2/] (9)

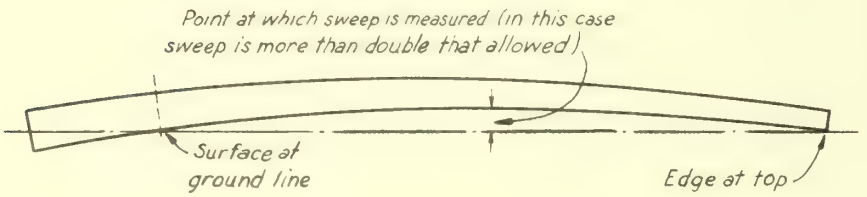
No butt requirements[2/] (10)

1/ Diameters to the nearest one-tenth inch obtained by converting circumference specifications, assuming all poles to be round.

2/ Lines indicate length limits.

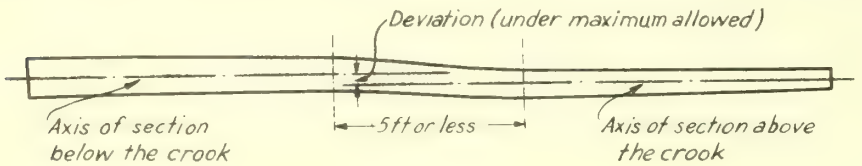
MEASUREMENT OF SWEEP AND SHORT CROOK IN POLES

SWEEP IN ONE PLANE AND ONE DIRECTION

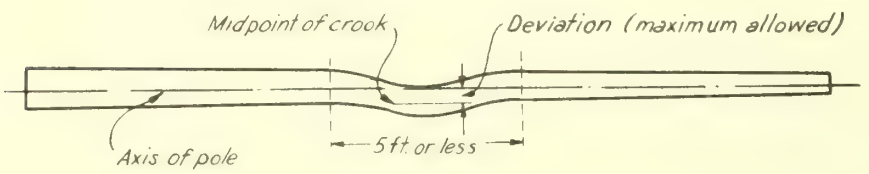


SWEEP IN TWO PLANES (DOUBLE SWEEP) OR IN TWO DIRECTIONS IN ONE PLANE (REVERSE SWEEP)

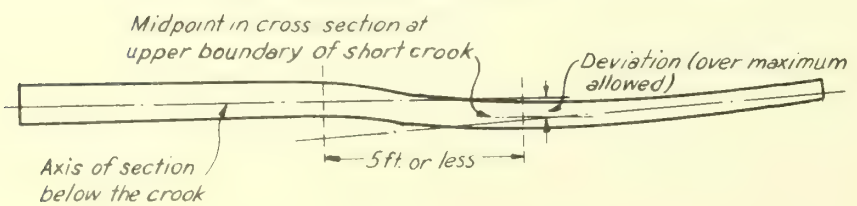
SHORT CROOK WITH REFERENCE AXES APPROXIMATELY PARALLEL



SHORT CROOK WITH REFERENCE AXES COINCIDENT OR PRACTICALLY SO



SHORT CROOK WITH REFERENCE AXES NEITHER COINCIDENT NOR PARALLEL


Midpoint in cross section at upper boundary of short crook
Deviation (over maximum allowed)
Axis of section below the crook
5ft or less

Note: The three cases shown under SHORT CROOK are typical and are intended to establish the principle of measuring short crooks. There may be other cases not exactly like those illustrated.

3.63/7

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LOBLOLLY PINE SEED TREES:

SELECTION, FRUITFULNESS, AND MORTALITY

BY

KENNETH B. POMEROY

FOREST SERVICE

U. S. Department of Agriculture

Southeastern Forest Experiment Station
Asheville, North Carolina

I. T. Haig, Director

LOBLOLLY PINE SEED TREES: SELECTION, FRUITFULNESS, AND MORTALITY[1/]

by

Kenneth B. Pomeroy[2/]

Successive generations of trees are reproduced from seeds or by vegetative means, such as, shoots, suckers, layering or rooting of detached parts. Reproduction of most hardwood species is doubly assured, for young trees can replace a severed stem with sprout growth, while mature trees often bear many seeds. By contrast, perpetuation of conifer species, at least in pure stands, has been less certain, since sprouting occurs infrequently and seed production may be erratic. For example, loblolly pine produces good seed crops at intervals of 1 to 5 years. If loblolly pine is the species to be grown, many seeds are needed, because it is not unusual for less than 10 seedlings to develop from 1,000 seeds. Germination failures, losses from bird or rodent activity, and unfavorable environmental factors account for the low ratio of seedlings to seeds. If the occurrence of pine seedlings is delayed, it is possible for hardwood sprouts to become established to the extent that, regardless of the quantities of seed provided, pine seedlings in numbers sufficient to produce an acceptable stand cannot survive unless expensive control treatments are applied to the hardwoods (5, 6, 11). Consequently, forest managers who wish to regenerate loblolly pine stands by natural means must reserve from harvest sufficient trees to provide a large supply of seeds at an early date, or defer cutting until there is a big seed crop.

In the Coastal Plain of Virginia and North Carolina, loblolly pines with a capacity for abundant seed production can be identified easily after their crowns become fully developed. They are the trees bearing a large quantity of cones in a good seed year. But full production, at least for second growth trees, is not attained until the trees have been completely

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1/ Experiments begun from 1929 to 1936 were conceived and installed by C. F. Korstian and the late A. L. MacKinney. Since then important contributions to the work have been made by G. M. Jemison, L. E. Chaiken, I. H. Sims, K. B. Trousdell, J. T. Stewart, Helen B. Burgess and others.

2/ Forester, stationed at the North Coastal Plain Branch (Franklin, Va.,) of the Southeastern Forest Experiment Station.

released from competition for several years. How, then, can trees that may become prolific be identified before they are fully developed? How frequently do they bear seed in quantities sufficient to restock cutover land? When are the seeds dispersed? How far are seeds dispersed from standing trees, and in what quantities? What mortality of reserved trees may be expected as a result of exposure to wild fires, high winds, lightning, disease, and insect attacks? What volume increment may accrue to the surviving seed trees?

Answers to the above questions, although related, fall in three different sections of this report. The key indicators of fecundity and their identification in uncut stands are described in the first section. Information regarding frequency of seed production, season of dispersal, and distribution from a mature stand is presented in the second section. And the last section deals with considerations of parent stock, mortality, and growth of the survivors.

SIGNIFICANCE AND IDENTIFICATION OF KEY FACTORS

The key indicators of fecundity are cone-bearing history and tree diameter.3/ This important relationship has been disclosed by intermittent observation of 492 trees in four loblolly pine stands thought to be typical of Coastal Plain conditions. Other characteristics, such as total height, crown development, and the ratio of crown-length to total height have not provided a consistent clue to future yield, although they should be considered in the selection of parent stock.

The observations and measurements leading to the identification of prolific seed trees were made in the following locations:4/

1. Hedgepeth tract, near Franklin, Virginia
2. Heckstall tract, near Windsor, North Carolina
3. Surry tract, near Black Creek, Virginia
4. Patty Harris tract, near Emporia, Virginia

The first observations were made in 1929 near Franklin, Virginia, in a mature stand of forest origin where methods of harvest cutting were

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3/ Measured at a point 4.5 feet above ground.

4/ Plots in tracts 1 and 3 were established in cooperation with Camp Manufacturing Co., Inc., Franklin, Va., in tract 2 with Foreman-Blades Lumber Co., Elizabeth City, N. C., and in tract 4 with the Southern Johns-Manville Products Corporation, Jarrett, Va.

being investigated on six plots, each 2½ acres in size (8). The soil, a poorly drained Portsmouth sandy clay, had a site index of 75 to 77 feet.5/ After logging was completed, four selectively cut plots had an average of 66 well-spaced trees per acre with a diameter range of from 3 to 20 inches. Two seed-tree plots had seven well developed seed trees per acre, from 13 to 18 inches in diameter, plus all the original stand under 12 inches in diameter. Cone production was estimated on the central acre of each seed tree plot and on two of the selectively cut plots.

Cone production of each tree was estimated6/ in 1929, '31, '32, '33, '35, '36, '46, '47, and '48. Some trees were almost devoid of cones in years when most of the others produced excellent crops. In years of generally poor cone production, these same "off-schedule" trees frequently matured many cones. Although all trees did not bear cones in unison, their individual capacities could be estimated at any time because all cones maturing in the current season plus most of the cones that matured in the past two seasons were present in the crown at the same time.

Analysis of production records for any one year did not provide consistent results. But analysis of total production by each tree for two 3-year periods, 1931-1933 and 1946-1948, indicated that a strong relationship existed between diameter and fruitfulness during both periods (each factor significant at the 1 percent level). When cone production from 1931 to 1933 is ignored, the relationship between diameter in 1933 and yield from 1946 to 1948 is not so apparent. For example, during the past three years a vigorous, well-proportioned tree, 22 inches in diameter, produced only 60 cones, while a less impressive specimen, 5 inches smaller in diameter, produced 1,000 cones. No cones were collected from these trees, but other samples indicate that in a good seed year each cone may contain from 60 to 100 viable seeds. So it would be possible under favorable conditions for the smaller tree to reforest an acre of cutover land, while 17 of the larger trees would be required to provide the same quantity of seeds. A more striking example of the importance of avoiding trees that have been unfruitful in the past is presented by the 14 trees so carefully selected in 1929 on the plots cut under the seed tree method. Vigor, form, diameter, total height, crown volume and ratio of crown length to total height were all considered in the selection, but no weight was given to the presence or absence of mature cones. Five of these 14 trees still do not produce cones in sufficient quantity to merit the title of "seed trees," although

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5/ Height attained by dominant and codominant trees in 50 years. The average site index for loblolly pine in this region is 80 feet.

6/ Cones on small, open-crowned trees can be counted quite accurately. But it is difficult to see cones on dense-crowned, mature trees. So crop size is usually estimated by carefully examining a selected portion of the crown with the aid of 6 x 30 power binoculars.

they have been completely released for 19 years and are now 80 to 100 years old.

Usually trees having few cones from 1931 to 1933 failed to produce very many cones from 1946 to 1948. Ninety-four percent of the barren trees were 10 inches or less in diameter when first observed. These trees had been in the understory of the uncut stand. Although size of cone crop is usually an indicator of future productivity, predictions based entirely upon past fruitfulness may be inaccurate. A tree that produced 128 cones from 1931 to 1933 only matured 12 cones from 1946 to 1948, and another tree with 28 cones in the first period had 860 cones during the second period. These trees behaved contrary to the general rule.

Marked differences in cone production between overstory and understory trees were not found, because there were trees of the same diameter and fruitfulness in both codominant and intermediate crown classes. However, all trees 11 inches and larger in diameter had at least one cone in one or both periods. The correlation between size of present crop and diameter and past cone production for trees smaller than 11 inches in diameter differed significantly from the same correlation for larger trees. Figure 1 shows cone yields for two overstory diameter classes and increase in production for a 15-year period that began two years after complete release by a partial harvest cut. The relationship for trees less than 11 inches in diameter is not shown, as these trees did not produce enough seeds to be an important factor in stand regeneration. Overstory trees yielding relatively large crops from 1931 to 1933, usually doubled or trebled their production during the next 15 years. A more remarkable response was the 10- to 20-fold increase in production by trees having only a few cones during the first period.

Why should there be such a marked difference in response to release?

It appears that this variation may be traced to light and growing space conditions in the stand prior to logging in 1929. Trees with large crops during the years immediately following release had crowns that were usually about 4 feet wider than crowns of small-yielding trees of the same diameter at breast height. Furthermore, a check of crown projection maps prepared prior to logging disclosed that wide-crowned, high-yielding trees usually were free of competition from other overstory trees on two or three sides. Therefore, it appears that the high-yielding trees had a better opportunity to develop their crowns in full sunlight and were mature or nearly so when released. During the first four years after release, narrow-crowned trees noticeably increased their cone production. Thereafter, differences traceable to crown development disappeared.

Unpublished notes by MacKinney regarding observations in 32 uncut loblolly pine stands in the early 1930's indicate that "wide-crowned trees, on the average, produced more cones than narrow-crowned trees of the same diameter. For trees 7 inches and larger, the average number of cones per

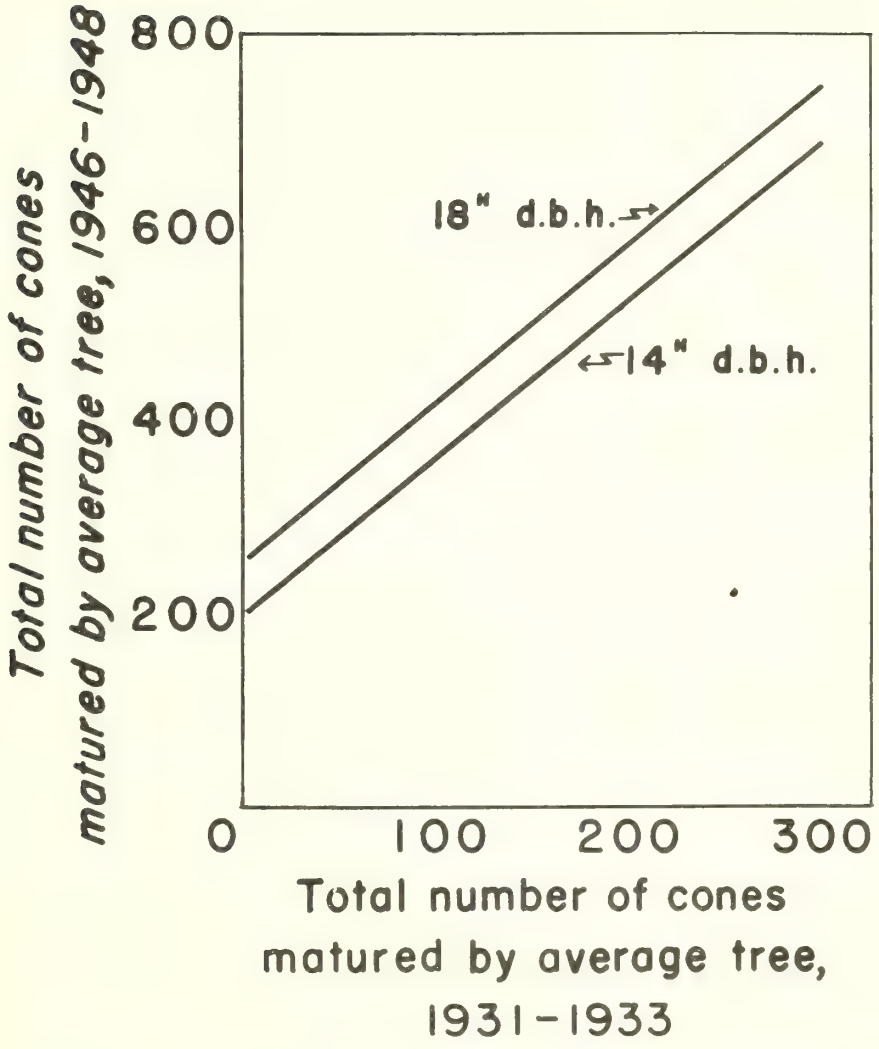

Figure 1.--Increase in cone production by 14- and 18-inch trees of average fruitfulness. This rate of increase was constant for all trees over 11 inches in diameter. The relationship for trees under 11 inches in diameter is not shown.

tree was more closely related to diameter than to any other factor investigated." There is no indication that he tried to correlate current cone yield with past cone-bearing history.

Tract 2

Another check of the correlation between future yield, present diameter and cone-bearing history was made in a well-stocked, 60-year oldfield stand, near Windsor, North Carolina. This tract, containing four plots, each 2½ acres in size, was selectively cut in 1930. The trees were growing on a Coxville silt loam of site index 85 to 88 feet. An analysis of cone production of all overstory trees from 8 to 17 inches in diameter disclosed that yield in 1936 was very closely related to diameter and cone crop in 1933. No cone estimates have been made in this tract since 1936.

Tracts 3 and 4

A check of the correlation between diameter, past fruitfulness and future cone production, as disclosed by observations in the Franklin and Windsor plots, has been made in two young oldfield stands growing on Norfolk sandy loam of average site index. One hundred seed trees were selected in each stand during the 1946-'47 winter season. In addition to determinations of diameter, total height, crown width, and ratio of crown length to total height, each tree was classified according to the number of old cones visible. They were tallied on a scale of 0-25, 26-50, 51-75, and 76-100. The purpose of this classification was to identify trees of like fruitfulness with the expectation that they would produce at the same rate in the future. Examinations in 1947 and 1948 revealed the class limits to be too restricted, as cone production by individual trees varied considerably from year to year. But, in the 45-year-old stand only one tree of the 24 placed in the upper two classes failed to produce more than 50 cones during the 2-year period. In the 35-year-old stand the forecast of trees that would exceed or fall below the 50-cone mark was 90 percent correct.

PERIODICITY, DISPERSAL, AND DISTRIBUTION

Selecting seed trees isn't quite as easy as the discussion to this point implies. There are other factors to be considered, such as frequency of good seed crops, season of seed dispersal, and distribution of seeds from standing trees. If these factors are unfavorable, and logging cannot be deferred until they are favorable, cutting should probably be done by some method that does not require the reservation of seed trees.

Most of the information presented in this section was obtained from a 13-year study at Duke University, Durham, N. C., of seed production by a

mature, oldfield loblolly pine stand[7] (10, 13). Some of the Duke findings have been supplemented by additional observations on tracts 1 to 4 and by K. B. Trousdell, of this Station, in the Bigwoods Experimental Forest.[8]

Frequency of seed production

Good loblolly pine seed crops usually occur at intervals of 1 to 5 years (fig. 2). Field examinations indicate that a mature stand will produce enough viable seeds during a good seed year to restock an acre of cutover land with 1,000 or more seedlings per acre, which is considered satisfactory. An adequate seedling stand has not been observed on cutover land following a single fair or poor seed crop. Stand regeneration within one year of logging is a desirable objective. But regeneration within five years is considered satisfactory, in view of the periodic occurrence of good seed crops. (We do not wish to imply that successful stand regeneration is assured with the occurrence of a good seed crop. On many sites, one or more release treatments may be required to free pine seedlings from competing hardwoods.)

An analysis of individual tree records for tract 1 disclosed that the most prolific trees matured cones in each of the 9 years in which they were examined. About 10 percent of the overstory trees behaved in this manner. Many low-yielding trees only had cones in years when the stand as a whole produced a big seed crop. Many other trees failed to develop cones one-third of the time. Some portion of this failure may be attributed to cone destruction by moth larvae and weevils.

Season of seed dispersal

Loblolly pine seeds begin to fall about October 20. As shown in figure 3, peak dissemination is reached by mid-November, and by the end of December seedfall is 84 percent complete (10). In poor years nearly all seeds fall before April, but when there is a good crop a few seeds continue to fall until June.

Distribution of seeds

Some foresters prefer to reserve seed trees in rows, as it is easier to traverse a tract in this manner than it is to select trees randomly over

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7/ A joint study by the Southeastern Forest Experiment Station and Duke Forest staff.

8/ Maintained by Southeastern Forest Experiment Station in cooperation with Camp Manufacturing Company, Inc., Franklin, Virginia.

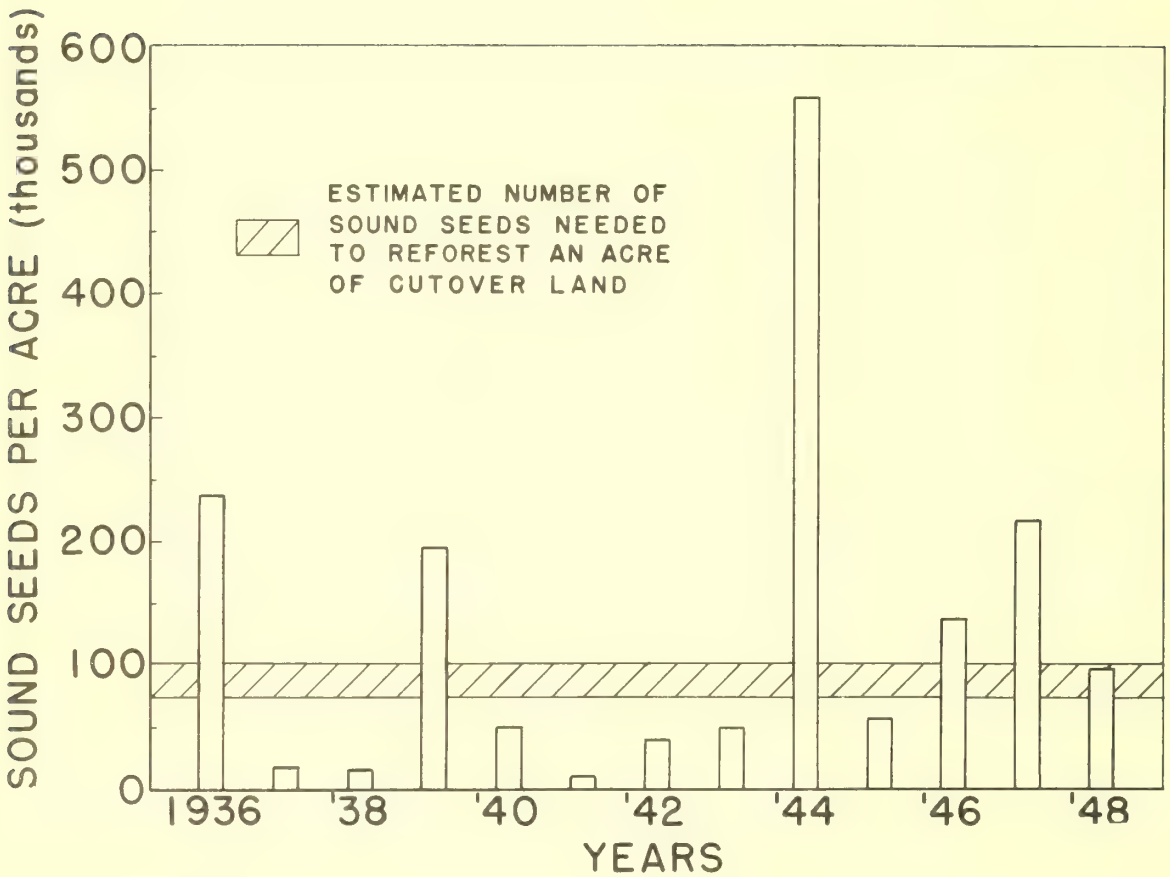

Figure 2.—Seed production by a mature loblolly pine stand, Duke Forest, Duke University, Durham, N. C. Yields from 1936 to 1943 are from a fully stocked stand. Yields from 1944 to 1948 are from another portion of the same stand that had been reduced to one-fifth the original volume by a shelterwood cutting in which only the fastest growing and most fruitful trees were reserved.

the entire area. Other woodland managers cut their stands in strips, leaving alternate strips of uncut forest as a source of seed.

How far apart may the rows be, and what width of strip may be cleared?

Information concerning the optimum spacing of seed trees is lacking, but observations in a cleared strip between two mature stands provide a guide. These observations indicate that cleared strips should not exceed 200 feet in width (fig. 4). The strips should be oriented so that prevailing winds at time of seedfall blow across them. Strip cutting has been used in the harvest of several stands of mature timber in the Bigwoods Experimental Forest (fig. 5). Cleared strips, each 198 feet wide, have been alternated between uncut strips, each 66 feet wide. These tracts were logged in good seed years and each cleared strip is well stocked with pine seedlings (16)

The spacing of seed trees is influenced by the number to be reserved on each acre. The number needed may vary from tract to tract in accordance with stand maturity, site, hardwood development, season of cutting, method of logging, and estimated size of current and prospective seed crops. During a cycle of poor seed production, there is a possibility that seed trees, regardless of the number reserved, may fail to yield enough viable seeds for stand regeneration, since a full stand failed to produce crops of the desired size six times in an 8-year period. Even in good seed years, immature trees usually are incapable of producing large quantities of seeds.

Although definite recommendations applicable to all conditions cannot be made, certain minimum requirements for seed trees have been prescribed. In counties that have endorsed the Pine Seed Tree Act of Virginia, it is required that at least four cone-bearing trees 14 inches or larger in diameter be left on each acre.9/ There is no regulatory act in North Carolina, but many forest owners follow the recommendations of a committee on cutting practices which suggests that at least three trees 14 inches or larger in diameter be left on each acre.10/ Several industrial concerns in both States reserve seed trees at intervals of 50 to 60 feet in rows 100 feet apart, thus leaving 7 - 8 seed trees per acre.

Some woodland managers have devised practices that enable them to secure better results from mediocre seed crops. By scheduling logging for the winter season, i.e., the period between seed maturity and beginning of

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9/ Pine Seed Tree Act, Section 549-a1, Code of Virginia.

10/ Cutting practices for the Carolinas, Report of Committee, Appalachian Section, Society of American Foresters, Jour. Forestry 43: 861-870. 1945.

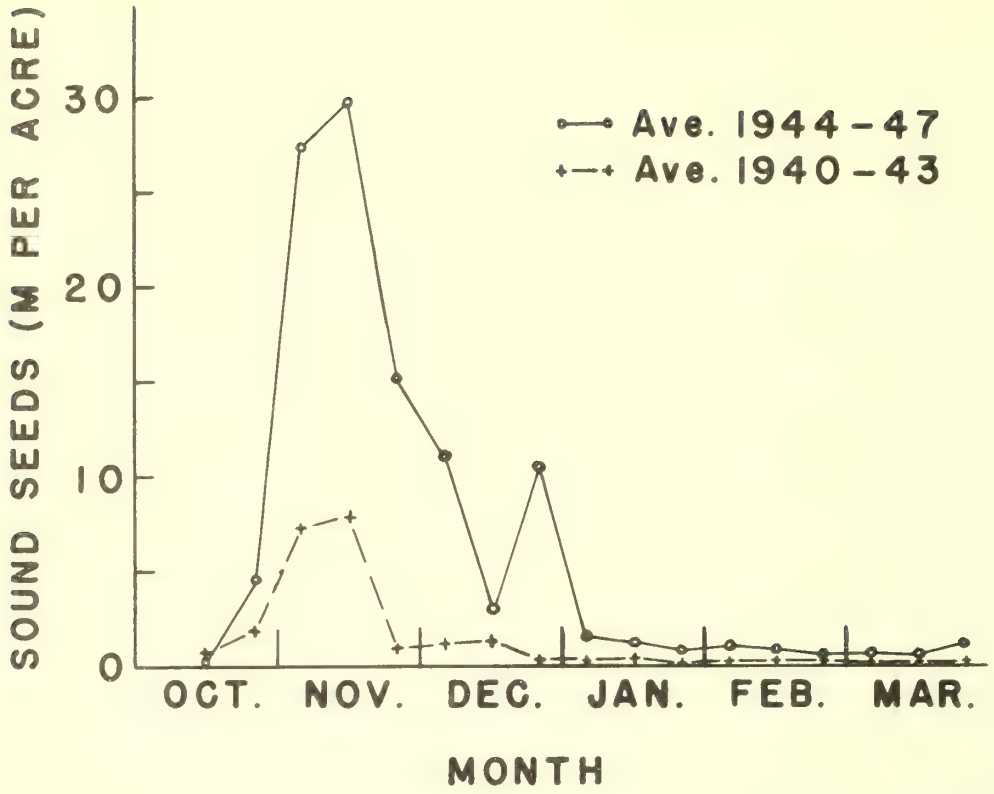

Figure 3.--Seasonal dissemination of loblolly pine seeds during the most productive and least productive four-year periods.

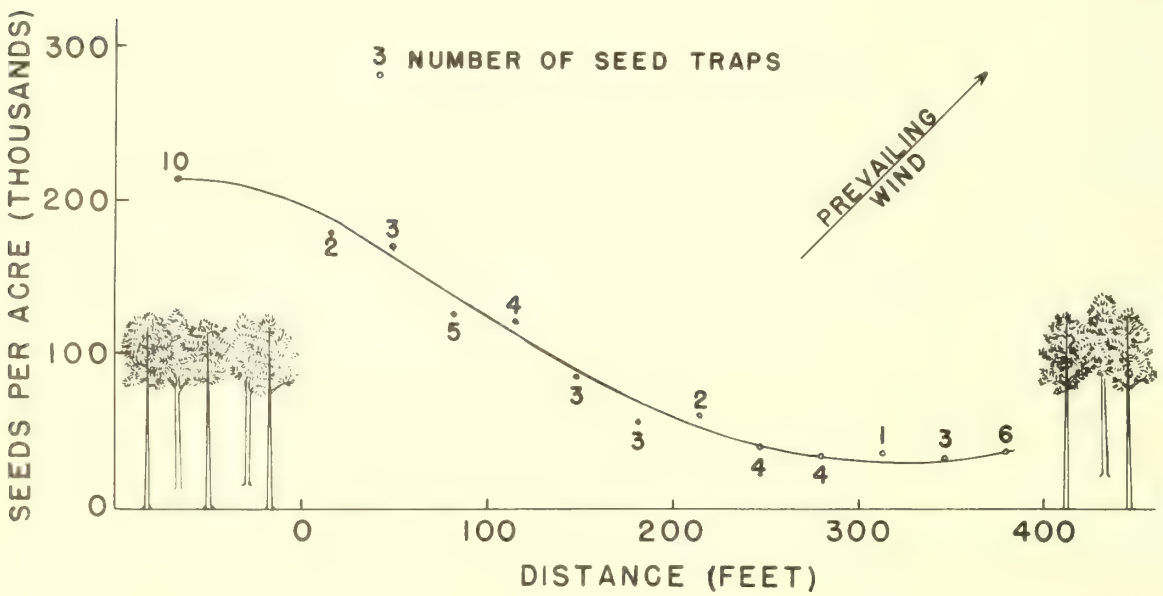

Figure 4.--Average annual dispersal of sound loblolly pine seeds into a cleared strip from adjoining timber. Duke Forest, Durham, North Carolina, 1944-1949.

Figure 5.--A seed-tree strip-cutting on a commercial-sized compartment in a loblolly pine forest of coastal Virginia.

germination, all the seeds produced by the entire stand become available for stand regeneration. An example of this method is available on a tract near Franklin, Virginia. An immature, oldfield stand was cut in February and March 1948, leaving 6 - 8 seed trees per acre. Few cones were visible, and examination of 100 reserved trees showed an average of only 90 viable seeds per tree, or less than one percent of the usual requirement for satisfactory stocking (2, 10). However, most of the tract was found to be adequately stocked at the end of the first growing season. It is believed that many of these seedlings germinated from seeds dispersed by the full stand prior to logging.

Another aid in establishing a new stand is the preservation of advance reproduction, in other words, young trees which have become established naturally in a forest before cutting or regeneration operations are begun. K. B. Trousdell has observed that mature stands in the Bigwoods Experimental Forest often contain thousands of one- and two-year-old loblolly pine seedlings. Sometimes enough healthy, well-developed seedlings escape destruction during logging to meet 25 percent of the stocking requirement for a new stand.

If there are few seedlings to save, if little evidence exists that a good seed crop will occur in the next year or two, and if logging cannot be deferred, then better utilization of available seed should be made by seedbed preparation and hardwood control. Seedbed preparation may improve germination and initial survival of seedlings from 100 to 400 percent (16), while hardwood control reduces competition during the critical establishment period (5). The simplest treatment may involve nothing more than a change from "horse logging" to "tractor logging." Seeds resting on mineral soil germinate better than seeds on leaf litter (15), and tractors create more disturbance to the forest floor than wagons or trucks. More elaborate treatments include scarification of the ground before harvest cutting, and prescribed burning either before or following logging (5, 6). Scarification is accomplished with a tractor-drawn heavy-duty bush and bog disk prior to seedfall. Prescribed burning should also precede seedfall. Both treatments improve seedbed conditions and reduce hardwood competition for a limited period.

HEREDITY, MORTALITY, AND INCREMENT

In recent years many industrialists have acted upon the realization that timber is a renewable resource. These men wish to mature successive crops of fast-growing, high-quality trees in a manner that will result in the highest net return per acre. Achievement of this objective involves questions concerning the transmission of growth and disease-resistant characteristics from parent to offspring, probable losses in reserved seed trees, and recovery of volume contained in the survivors.

Heredity has not been studied in any of the stands mentioned in this report. However, as a result of other studies, competent observers have reached definite conclusions regarding the selection of parent stock (1, 3, 7, 9, 12, 14, 17). Mortality and growth of surviving trees have been recorded in tract 1 since 1929, the date when the area was logged, and in tract 2 from 1930 to 1940 (4).

Parent stock

Parent stock is as important in tree breeding as in livestock raising, poultry husbandry, or any other farm activity. Crooked, poorly developed, unthrifty trees should not be selected for seed production even though they may and often do produce large crops of seed. Furthermore, caution should be exercised in the choice of small trees with large cone crops in preference to large trees of lesser productivity. If these trees are of the same age, it is possible that the smaller ones are natural runts and that this undesirable characteristic may be passed on to their progeny.

Loss of seed trees

High mortality of small trees is a common occurrence after a portion of a stand has been harvested. In the 19 years since the Franklin plots were logged, mortality has been as follows:

Dominant trees	2 percent
Codominant trees	5 percent
Intermediate trees	22 percent
Suppressed trees	43 percent

The first death of a dominant tree (class from which seed trees usually are selected) occurred 16 years after logging, and apparently resulted from growth of a canker. Another dominant tree was attacked and killed by insects in the same year. Some of the codominant trees apparently died following injury by lightning. Wild fires, roaring through the tract in 1933 and 1942, may have contributed to losses in the other two crown classes.

Chaiken (4) reported that mortality in the Windsor plots for the first 10 years following logging ranged from 80 percent for 6-inch trees to less than 10 percent for trees 16 inches in diameter. He attributed the majority of deaths to a number of factors operating jointly: mortality due to competition, possible fire damage, wind damage, unusual climatic conditions (moisture deficiency), beetle attacks, and mechanical injury during logging.

In both the Franklin and Windsor plots the greatest mortality occurred in trees with short, narrow crowns.

Recovery of volume in seed trees

Some landowners consider reservation of seed trees to be a loss in revenue, and consequently tend to leave defective trees of low value. However, a profit can be realized if well-formed, fast-growing trees are left in sufficient numbers to provide a commercial cut after a new stand is established. Net growth of the surviving trees on the Franklin plots far exceeds loss from mortality. In 1929, the average dominant tree was 13.8 inches in diameter and contained 153 board feet. Seventeen years later the average diameter was found to be 17.8 inches and volume had become 307 board feet--an increase of 100 percent.

If harvested at the end of the 17-year period, four such trees per acre should return all the volume reserved from the harvest cut plus sufficient growth to yield 68 cents per acre per year if the stumpage is sold for $20.00 per thousand board feet. This 68 cents per acre should defray all annual charges for protection, administration, taxes, and interest while a new stand is being established.

SUMMARY

Results of several studies dealing with selection, fruitfulness, growth, and mortality of loblolly pine trees have been presented in three steps:

1. In the first section evidence is presented to show that prolific trees can be selected by observing the following guides:

    a. Look for trees with a record of high seed production as indicated by the presence of at least 50 old or 50 ripe cones in the crown.

    b. If the past two or three years have been poor seed years, reserve the largest trees among those having some cones, because prolific trees bear a few cones every year. Trees 11 inches d.b.h. or smaller cannot be depended on as good seed trees.

2. The second section gives the following information regarding frequency of seed production, season of dispersal, and distribution:

    a. One average and five good seed crops occurred in a 13-year period. The longest period between good crops was four years.

    b. One good seed crop will contain enough sound seeds to provide an adequate number of seedlings, but, on many sites, special

cultural measures may be required before the seedlings become established.

c. Most loblolly pine seeds are dispersed in November and December. Therefore forest managers desiring to make the most efficient use of available seeds should schedule seedbed preparation and hardwood control before November. Winter logging of critical areas may result in a good seedling stand because all the seeds produced by the stand prior to cutting are available.

d. Some loblolly pine seeds may be carried in the direction of prevailing winds for more than 300 feet but 200-foot cleared strips are recommended as maximum. In the Bigwoods Experimental Forest, satisfactory seedling stands have been secured by alternating cleared 200-foot strips with uncut 66-foot strips. All strips are at right angles to prevailing winds.

e. Spacing requirements for seed trees are not known, but it is apparent that enough trees cannot be reserved during periods of poor seed production. When mediocre seed crops are expected, better seedling stands can be obtained by:

Winter logging so that all seeds will be available.

Protection of seedlings present in the uncut stand.

Seedbed preparation to improve germination, or hardwood control to reduce competition.

3. The third section deals with heredity, mortality, and growth of surviving trees:

a. Healthy, well-developed, fast-growing trees of good form should be selected as parent stock.

b. Highest mortality has been observed in understory trees with short, narrow crowns. Therefore dominant trees with large crowns should be selected for seed production, provided they have been fruitful in the past as indicated by the presence of many old cones.

c. The net volume of seed trees has been known to double within 17 years. This rate of growth, if made by four 14-inch seed trees per acre, will defray carrying charges on cutover land until a new stand becomes established.

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LOBLOLLY PINE BIBLIOGRAPHY

Compiled By

Keith W. Dorman and Ivan H. Sims

Southeastern Forest Experiment Station
Asheville, North Carolina

STATION PAPER NO. 6

NOVEMBER, 1949

FOREWORD

With the intensification of forestry in the South, loblolly pine, ranging from New Jersey to Texas, assumes new importance. Up until now there has been no complete collection of information about this species. This collection of references, listed by subject material and author, was started to fill a need in Forest Service experimental work. As a guide and timesaver, it is now being made available to others working with loblolly pine.

The authors wish to acknowledge the many helpful suggestions from the Experiment Station staff. Special acknowledgment is due Miss Martha Osborne, of the Asheville Branch of the U. S. Department of Agriculture Library, for her help in finding and checking the citations.

Cover photo.--An excellent stand of loblolly pine in the Bigwoods Experimental Forest, Franklin, Virginia.

ASHEVILLE, N. C. NOVEMBER 1949

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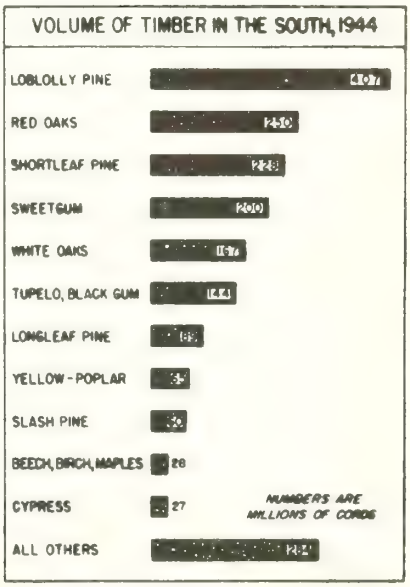
LOBLOLLY PINE BIBLIOGRAPHY

Compiled By

Keith W. Dorman and Ivan H. Sims 1/

About half the total volume of pine timber in the South is loblolly pine, Pinus taeda L. Many of the 56 pulp and paper mills, 20,000 sawmills, and other wood-using industries in the South depend upon it for their raw materials. Occurring in 15 states, its range extends from New Jersey to Texas. This bibliography was prepared with the hope it will aid foresters and others to better know the literature of this important species. It covers the literature approximately from 1890 to July 1949.

Information about loblolly pine occurs in a wide variety of publications, domestic and foreign. Some articles are popularized accounts or summaries of research, others are technical reports of individual studies. Readers having a general knowledge of the type of material published by each periodical will be able to estimate whether treatment is technical or popular.



The subject material divisions in this bibliography have been made quite broad to avoid a large amount of cross-referencing. The table of contents indicates location of specific subject material. The subject divisions are not sub-divided, and all citations in each are in alphabetical order by author. Three rather small subject divisions represent an exception to the broad-subject-matter system followed elsewhere. These are

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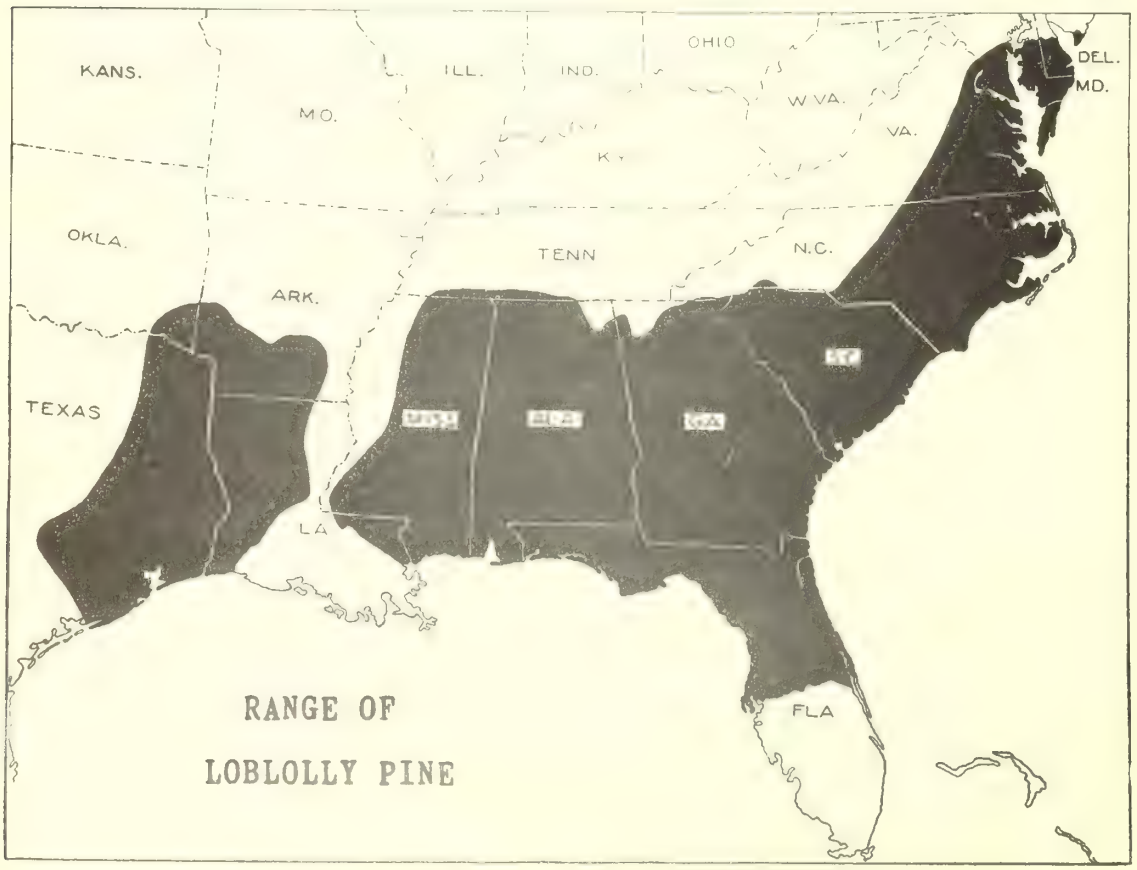
1/ Forester, Southeastern Forest Experiment Station, Asheville, North Carolina; and Chief, Division Forest Management Research, Northeastern Forest Experiment Station, Upper Darby, Pennsylvania, formerly Branch Leader, Southeastern Forest Experiment Station.

in forest influences, genetics, and fire effects, which have been separately classified to aid workers in those fields. The final section is an alphabetical author list.

In general, a reference is not cited more than twice. For example, an article on the normal growth and development of seedlings appears under the head Ecology and Physiology as well as under Regeneration. Articles on pruning are listed under Forest Management and Utilization. Also, tables of volume, yield, and growth appear under both Forest Management and Mensuration. No attempt was made to list under various subjects all material that may appear in a monograph such as those listed in the section on General References.

It is wishful thinking to hope that a bibliography such as this could include all the published information on so broad a subject. Constructive criticism will be appreciated, therefore, and carefully considered in future revisions.



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13.63/9:7 AGRICULTURAL REFERENCE
CLEMSON COLLEGE LI

'ATION PAPER NO. 7 JUNE 1, 1950

MARKETS FOR FOREST PRODUCTS IN FLORIDA

by
Arthur S. Todd, Jr.
Division of Forest Economics

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

SOUTHEASTERN FOREST EXPERIMENT STATION
ASHEVILLE, NORTH CAROLINA

I.T. HAIG, Director

In cooperation with
FLORIDA FOREST SERVICE
TALLAHASSEE, FLORIDA
C.H. COULTER, State Forester

Foreword

The purpose of this booklet is to indicate the forest products for which markets exist and to show who buys them in each locality. The information presented is the result of a county-by-county canvass of buyers conducted by the Southeastern Forest Experiment Station and the Florida Forest Service during the last half of 1949. It is published as a contribution under Title II of the Research and Marketing Act of 1946.

The author and all the others who participated in the project wish to thank the buyers, plant owners, and managers whose cooperation made the publication possible. Any omissions are unintentional and reflect in no way on the companies or individuals left out. By the same token, inclusion in the directory does not constitute a recommendation.

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GULF	25	SANTA ROSA	58
HAMILTON	26	SARASOTA	59
HARDEE	27	SEMINOLE	60
HENDRY	28	SUMTER	61
HERNANDO	28	SUWANNEE	61
HIGHLANDS	29	TAYLOR	63
HILLSBOROUGH	29	UNION	65
HOLMES	31	VOLUSIA	66
INDIAN RIVER	32	WAKULLA	67
JACKSON	33	WALTON	68
JEFFERSON	34	WASHINGTON	69
LAFAYETTE	36		

MARKETS FOR FOREST PRODUCTS IN FLORIDA

INTRODUCTION

Nearly every woodland owner who maintains a satisfactory stand of growing trees on his land has an opportunity to gain a regular periodic income from sales of forest products. To take full advantage of his opportunity, he must sell his products in the form and to the market that will net the largest return without overcutting or otherwise injuring the prospects for future sales. If he has trees suitable for poles, for instance, he needs to know who is buying poles and how much they are paying; similarly with saw timber, veneer timber, etc. By talking to the various buyers he can then decide what product to sell and to whom. Under no circumstances should he cut any forest product unless he has an order for it and understands the buyer's requirements. Many a timber owner has cut products for which there was no demand at the time, or has cut lengths or grades that did not suit the needs of local plants.

There are said to be over 4,000 commercial and industrial uses for wood. Even the smallest timber tract may contain material suitable for a variety of commodities, depending on the species present and on such individual tree characteristics as size, form, soundness, limbiness, and rate of growth. But, in Florida, logs and bolts are not the only salable products of the forest. Production of naval stores gum from longleaf and slash pines is an important activity, for instance, while original-growth stumps of these species are in demand for wood naval stores. In some areas, plants make novelties from cypress knees, and even Spanish moss is dried and processed for use as packing or for stuffing upholstery.

The chief consumer of forest products is the lumber industry. During 1948, the latest year for which figures are available, 695 sawmills in Florida and in border counties of neighboring states sawed 547 million board feet of Florida logs into lumber. Of this total 78 percent was pine, 16 percent cypress, and 6 percent mixed hardwoods. Next in importance is the veneer industry, with 39 plants and a consumption of over 86 million board feet, largely gums, sweetbay, magnolia, and pine. Most of its output is sold in the form of baskets, boxes, and hampers for shipping the State's fruit and vegetable crops. Other leading consumers are the cooperage and pulp and paper industries. In 1948, 5 stave mills drew 10½ million board feet of logs and bolts from Florida forests, while 16 pulp mills obtained nearly 1¼ million cords of pulpwood there. The table shows the principal uses made of Florida timber in 1948. Unfortunately, similar statistics of crude gum production are not available.

Production of rough timber products in Florida, 1948

Product	Unit of Measure	Quantity
Sawlogs	Million board feet, Int. ¼"	546.9
Veneer logs	Million board feet, Int. ¼"	86.2
Cooperage bolts	Million board feet, Int. ¼"	10.5
Pulpwood	Thousand standard cords	1,221.2
Fuel wood	Thousand standard cords	351.7
Naval stores stumps	Thousand tons	703.8
Piling	Thousand linear feet	1,048.5
Poles	Thousand pieces	373.2
Posts	Thousand pieces	1,710.4
Hewn ties	Thousand pieces	1,402.1
Dimension bolts[1/]	Thousand standard cords	8.5
Other	Thousand standard cords	9.7

1/ Includes shuttle bolts.

MANAGEMENT AND MARKETING ASSISTANCE AVAILABLE

Florida's farm forestry program, begun in 1941, offers free management assistance to woodland owners. Although the program is designed principally to assist the farmer and small woodland owner, limited assistance is available to any woodland owner interested in managing his timber for continuous crops.

The objective of the program is to assist and to teach woodland owners how to manage their timber so they may ultimately produce the maximum value of forest products per acre continuously.

This program is supervised by the Florida Forest Service in cooperation with the U. S. Forest Service and various county governments and offers the following free assistance and instruction:

Management of Woodlands

(a) Selecting, marking, and measuring of trees for sale so as to leave a good stand of thrifty growing trees, or otherwise provide for the restocking of the land to insure a continuous crop.
(b) Thinning of overcrowded young stands.
(c) Gum farming and naval stores operations.
(d) Killing undesirable species.
(e) Pruning.

Marketing Timber Products

(a) Locating markets and buyers.
(b) Use of timber sale contracts.

Forest Planting

(a) How and where to plant.
(b) How and where to secure seedlings.

Forest Protection

(a) Planning protection from forest fires.
(b) Controlling insects and diseases.

Locations and Territories of Farm and County Foresters
(County and Farm Foresters offer the same services. The only difference is in the method of financing.)

Farm Forester Dale Dougherty County Agent's Office Blountstown, Florida	Territory: East Jackson, Calhoun, and Gulf Counties
Farm Forester Henry Sudduth, Jr. County Agent's Office Chipley, Florida	Territory: Holmes, Washington, and West Jackson Counties
Farm Forester James B. Snowden Post Office Building P. O. Box 587 Tallahassee, Florida	Territory: Gadsden, Leon, Jefferson, and Wakulla Counties
Farm Forester Wyman Garland P. O. Box 428 Live Oak, Florida	Territory: Madison, Suwannee, and Hamilton Counties

Farm Forester Lee Powers Florida Forest Service P. O. Box 728 Lake City, Florida	Territory: Columbia, Baker, and Union Counties
Farm Forester Anthony S. Jensen Post Office Building, Room 447 P. O. Box 926 Jacksonville, Florida	Territory: Nassau, Duval, Clay, and St. Johns Counties
Farm Forester J. E. Turner Florida Forest Service P. O. Box 521 Ocala, Florida	Territory: Levy, Marion, Sumter, and Lake Counties
County Forester Ernest Schluter Courthouse P. O. Box 1644 Pensacola, Florida	Territory: Escambia County
County Forester Frank Hill County Agent's Office, Courthouse Mayo, Florida Mailing address: Box 25, Perry, Florida	Territory: Lafayette County
County Forester Ben Juskie Stovall Building, 307 Morgan P. O. Box 256 Tampa 2, Florida	Territory: Hillsborough and Pinellas Counties

SPECIES CODES USED IN BUYER DIRECTORY

01. Cedar
02. Cypress
04. Longleaf pine
05. Slash pine
06. Other yellow pines
08. All southern pines
09. Dead heart cypress and "lightered" pine
10. Ash
12. Beech
13. Birch
15. Cottonwood
17. Dogwood
18. Elm
19. Black and tupelo gums
20. Sweetgum
21. Hickory
22. Maple
23. Oaks
27. Scrub oak
28. Persimmon
29. Sycamore
30. Sweetbay
33. Yellow-poplar
34. All "soft" pulping hardwoods: blackgum, sweetgum, maple, sweetbay, yellow-poplar, magnolia, etc.
35. Southern magnolia
40. Orange

FOREST PRODUCTS BUYERS BY THE COUNTIES IN WHICH THEY BUY

ALACHUA COUNTY

DISTILLATION TIMBER	Species
Cabot Carbon Co. Retort Chemical Division, Gainesville	[illegible]
HEWN TIE TIMBER	
Andrews, M. D., Chiefland	[illegible]
Crawford, Everett, Lake Butler	[illegible]
Dixie Timber Co., Box 805, Jacksonville	08
Douglas, J. K., 10th and Lake, Starke	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]
Goff Sawmill, Live Oak	02 08
Lewis, E. M., Brooker	[illegible]
Padgett, C. F., Brooker	[illegible]
PILING TIMBER	
Cannon, J. O., 113 Shelby St., Live Oak	[illegible]
Dixie Timber Co., Box 805, Jacksonville	[illegible]
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]
POLE TIMBER	
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	[illegible]
Goff Sawmill, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]
PULPWOOD TIMBER	
Andrews, M. D., Chiefland	[illegible]
Carter, S. I., P. O. Box 400, Live Oak	[illegible]
Dennis, D. E., Gainesville	08
Douglas, J. K., 10th and Lake, Starke	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Lewis, E. M., Brooker	08

ALACHUA COUNTY (Continued)

PULPWOOD TIMBER	Species
Padgett, C. F., Brooker	08
Prevatt, Carl, Lawtey	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Adkins Mfg. Co., Gainesville	02 08 10 19 20 30 33 35
Brice Lumber, Inc., Archer	08
Camp, John, Lumber Co., Gainesville	08
Cochran, D. R. Rt. 2, Hawthorne Rd., Gainesville	08
Duke Lumber Co., Alachua	08
Goff Sawmill, Live Oak	01 02 08 19 20 30
Hartley, H. L., High Springs	08
Horne Lumber Co., Gainesville	02 08
Johntry, W. L., Johnson	02 04 05 10 19 20 33
Jones, David, Newberry	08
Lewis, Malcolm, Brooker	08 23
Marchant, W. E., Archer	08
McCoy Mfg. Co., Gainesville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Slade, Lester, Hampton	02 08
Stevens, Alex, Lake City	08 23
Thomas, B. T., Starke	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Young, J. W., and Co., Inc. 2415 N. Albany, Tampa	20 22 30 35
VENEER TIMBER	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Franklin Lumber and Basket Co., Micanopy	08 19 20 30 35
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

ALACHUA COUNTY (Continued)

VENEER TIMBER	Species
Russ Crate Co., Coleman	04 05 19 20 22 35

EXCELSIOR WOOD AND TIMBER

Florida Excelsior Mill, Gainesville	02 08

HEWN TIES

Dixie Timber Co., Box 805, Jacksonville	08
Douglas, J. K., 10th and Lake, Starke	08 [illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]
Jessup, W. L., Sr., Eastman, Georgia	04 05 [illegible]

NAVAL STORES GUM

Consolidated Naval Stores Co. Box 418, Jacksonville	[illegible]
Newton Co., The, Box 410, Lake City	04 05

PILES

Carr Creosoting Co. Box 101, Little River Station, Miami	[illegible]
Dixie Timber Co., Box 805, Jacksonville	[illegible]
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	[illegible]
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]

POLES

Carr Creosoting Co. Box 101, Little River Station, Miami	[illegible]
Dixie Timber Co., Box 805, Jacksonville	[illegible]
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	[illegible]
Miami Wood Treating Co. P. O. Box 623, Coral Gables	[illegible]
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]

PULPWOOD

Consolidated Naval Stores Co. Box 418, Jacksonville	[illegible]
Dennis, D. E., Gainesville	[illegible]
Douglas, J. K., 10th and Lake, Starke	[illegible]
Edwards, W., Gainesville	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]
Kite, L., Starke	[illegible]
Mize, V., Fairbanks	[illegible]
Peck, E. W., Olive Court, Gainesville	[illegible]
Peck, P. W., Olive Court, Gainesville	[illegible]
Prevatt, Carl, Lawtey	08

SAWLOGS

Adkins Mfg. Co., Gainesville	02 08 10 [illegible] 20 30 33 35
Brice Lumber, Inc., Archer	08
Camp, John, Lumber Co., Gainesville	08
Duke Lumber Co., Alachua	08
Horne Lumber Co., Gainesville	02 08
McCoy Mfg. Co., Gainesville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Slade, Lester, Hampton	02 08

ALACHUA COUNTY (Continued)

SAWLOGS	Species
Turner, John L., Box 405, Hawthorn	02 08

SPANISH MOSS

Flemming, Harry, Hawthorn
Southern Moss Hair Co., Archer Rd., Gainesville
Vego Hair Co., Gainesville

VENEER BLOCKS AND LOGS

Adkins Mfg. Co., Gainesville	10 [illegible] 20 30 35
Franklin Lumber and Basket Co., Micanopy	08 [illegible] 30 [illegible]
Maxwell Brothers, Jasper	08 [illegible] 20 22 30
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

INDEPENDENT LOGGERS

Graham, J. H., Micanopy
Howell, Troy, La Crosse
Melett, James, Alachua
Stevens, K. S., La Crosse
Tillman Brothers, Rochelle

BAKER COUNTY

HEWN TIE TIMBER

Christie, Ralph 1919 N. Marion, Lake City	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Morton, Ralph, Lake City	02 04 05
Williams, J. M., Lake City	05 06

PILING TIMBER

Dixie Timber Co., Box 805, Jacksonville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER

Canal Timber Corp., Lake City	05 06
Dixie Timber Co., Box 805, Jacksonville	08
Goff Sawmill, Live Oak	08
Land, Drew, Live Oak	08
Morton, Ralph, Lake City	08
Warren and Hancock, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER

Allen, C. C., Macclenny	04 05
Canal Timber Corp., Lake City	08
Christie, Ralph 1919 N. Marion, Lake City	04 05
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Knabb, Wm., Macclenny	04 05
Lewis, W. B., Raiford	08
Morton, Ralph, Lake City	08
Rhoden, L. L., Glen St. Mary	04 05

BAKER COUNTY (Continued)

PULPWOOD TIMBER	Species
Warren and Hancock, Lake City	08
Williams, J. M., Lake City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Braddock Brothers, Taylor	04 05
Brown, E. M., Box 262, Macclenny	04 05
Canal Timber Corp., Lake City	02 04 05
Carver, R. M., Macclenny	02 04 05
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Goff Sawmill, Live Oak	01 02 08 19 20 30
Granger Lumber Co., Inc., Lake City	01 04 05 19 20 30
Harris, Bill, Penney Farms	02 08
Lewis, W. B., Raiford	02 05 06
Lucas, J. R., Maxville	02 08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Noland, Sam H. 800 W. Railroad St., Lake City	04 05
Phillips, E. R., Marietta	02 08
Roe, Charley, Lake City	02 05 06
Rowe, Art, Glen St. Mary	02 04 05
Rowe, J. R., Macclenny	02 04 05
Stevens, Alex, Lake City	04 23
Warren and Hancock, Live Oak	01 02 08
Williams, J. M., Lake City	02 05 06
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Jacksonville Box Co., Jacksonville	19 20 22 30 33
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
Williamson Tie Co., Box 1527, Jacksonville	02 04 08 19 23
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	04 05
Newton Co., The, Box 410, Lake City	04 05
Reasor-Lewis Corp. Beaver St., Jacksonville	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

BAKER COUNTY (Continued)

PILES	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Cook, Henry, Callahan	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Parrish, W., Lawtey	08
Peck, E. W., Olive Court, Gainesville	08
Peck, P. W., Olive Court, Gainesville	08
SAWLOGS	
Braddock, J. A., Dinsmore	02 08
Cooper and Higgenbotham, Hilliard	02 08
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Harris, Bill, Penney Farms	02 08
Murry-Hill Lumber Co. Edgewood Avenue, Jacksonville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Maxwell Brothers, Jasper	06 19 20 22 30
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
INDEPENDENT LOGGERS	
Nickels, Jeff, Olustee	

BAY COUNTY

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09
FENCE POST TIMBER	
Jordan, Grady, Youngstown	02 09
Morrell, Obie T., Star Route, Ebro	09
NAVAL STORES STUMPS	
Flower, B. L., Youngstown	04 05
Johnson, Johnnie C., Fountain	04 05
Lawhon, O. C., Buyer Newport Industries, Crestview	04 05
Newport Industries, Inc., Pensacola	04 05
PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08

BAY COUNTY (Continued)

PILING TIMBER	Species
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Barrentine, C. B., Rt. 1, Panama City	04 05
Cormartie, Dave, Youngstown	08
Croom, Harold, Youngstown	04 05
Gaines, O. T., Youngstown	04 05
Gaskin Brothers Lumber Co., Wewahitchka	08
Hill, J. F., Rt. 1, Panama City	04 05
Pate, C. R., Panama City	08
Pinelands Co., Blountstown	08
Stewart, Allen, Blountstown	08
Stewart, M. O., Panama City	08
Waller, C. B., Jr., Youngstown	04 05
Waller and Durham Co., Youngstown	08
Ward Pulpwood Co., Cottondale	08
Wood, G. R., Altha	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Anderson, L. L., Westbay	05 19 30 33 35
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Morris, E. H., Rt. 4, Chipley	02 08
Railey, J. J., Rt. 1, Box 66, Panama City	08
Railey, J. P., Rt. 1, Box 66, Panama City	02 04 05
Roche, Sam, Vernon	01 08
St. Joe Lumber and Export Co., Port St. Joe	02 08 19
Williams, F. H., Alford	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 22 23 30 33 35

FENCE POSTS	
Bowen, F. L., Box 132, Youngstown	02 04 09
Morrell, Obie T., Star Route, Ebro	09

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08

BAY COUNTY (Continued)

PILES	Species
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gaskin Brothers Lumber Co., Wewahitchka	08
Pinelands Co., Blountstown	08
St. Regis Paper Co., Cantonment	08
Stewart, Allen, Blountstown	08
Waller, C. B., Jr., Youngstown	04 05
Waller and Durham Co., Youngstown	08

SAWLOGS	
Everitt Brothers Co., Chipley	02 08
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Morris, E. H., Rt. 4, Chipley	02 08
Railey, J. J., Rt. 1, Box 66, Panama City	02 04 05
Railey, J. P., Rt. 1, Box 66, Panama City	02 04 05
Roche, Sam, Vernon	02 08
St. Joe Lumber and Export Co., Port St. Joe	02 08 19
Williams, F. H., Alford	04 05

VENEER BLOCKS AND LOGS	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 22 23 30 33 35

BRADFORD COUNTY

HEWN TIE TIMBER	
Crawford, Everett, Lake Butler	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Douglas, J. K., 10th and Lake, Starke	08 23
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Lewis, E. M., Brooker	08
Padgett, C. F., Brooker	08

PILING TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Glass, H. L., Orange Park	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Glass, H. L., Orange Park	08
Goff Sawmill, Live Oak	08
Prevatt, Carl, Lawtey	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

BRADFORD COUNTY (Continued)

PULPWOOD TIMBER	Species
Adams, Tom, Box 17, Orange Park	08
Allen, C. C., Macclenny	04 05
Carswell, J. E., Green Cove Springs	08
Dennis, D. E., Gainesville	08
Douglas, J. K., 10th and Lake, Starke	04 05
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glass, H. L., Orange Park	08
Goff Sawmill, Live Oak	08
Lewis, E. M., Brooker	08
Lewis, W. B., Raiford	08
Neal, Bill, Keystone Heights	08
Padgett, C. F., Brooker	08
Prevatt, Carl, Lawtey	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Camp, John, Lumber Co., Gainesville	08
Crawford, Peach, Lawtey	02 04 05
Duke Lumber Co., Alachua	08
Glass, H. L., Orange Park	08
Goff Sawmill, Live Oak	01 02 08 19 20 30
Granger, R. B., Doctors Inlet	02 08
Green, L. R., Highland	02 08
Herndon, F. M., Middleburg	08
Lewis, W. B., Raiford	02 05 06
Lucas, J. R., Maxville	02 08 19 20
McCoy Mfg. Co., Gainesville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Padgett, M. L., Middleburg	02 08 19 20
Slade, Lester, Hampton	02 08
Stevens, Alex, Lake City	08 23
Thomas, B. T., Starke	02 08
Tipping and Clemons, Keystone Heights	08
Whitehead, C. D., General Delivery, Lake Butler	02 08 23
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Yarbrough, A. M., Starke	08

VENEER TIMBER	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Jacksonville Box Co., Jacksonville	19 20 22 30 33
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

FENCE POSTS	
Keystone Lumber Co., Keystone Heights	01 02 04

HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Douglas, J. K., 10th and Lake, Starke	08 23
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
Jessup, W. L., Sr., Eastman, Georgia	04 05 23

BRADFORD COUNTY (Continued)

HEWN TIES	Species
Williamson Tie Co., Box 1527, Jacksonville	02 04 05 19 23

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	04 05
Newton Co., The, Box 410, Lake City	04 05
Reasor-Lewis Corp. Beaver St., Jacksonville	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Dennis, D. E., Gainesville	08
Douglas, J. K., 10th and Lake, Starke	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Kite, L., Starke	08
Lewis, Malcolm, Brooker	08
Machit, M. M., Hampton	08
Parrish, W., Lawtey	08
Peck, E. W., Olive Court, Gainesville	08
Peck, P. W., Olive Court, Gainesville	08
Prevatt, Carl, Lawtey	08
Thomas, D. B., Lawtey	08

SAWLOGS	
Camp, John, Lumber Co., Gainesville	08
Duke Lumber Co., Alachua	08
Glass, H. L., Orange Park	08
Granger, R. B., Doctors Inlet	02 08
Green, L. R., Highland	02 08
Harris, J. C., Keystone Heights	02 08
McCoy Mfg. Co., Gainesville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Slade, Lester, Hampton	02 08
Tipping and Clemons, Keystone Heights	08
Yarbrough, A. M., Starke	08

SPANISH MOSS
Flemming, Harry, Hawthorn
Vego Hair Co., Gainesville

BRADFORD COUNTY (Continued)

VENEER BLOCKS AND LOGS	Species
Adkins Mfg. Co., Gainesville	10 19 20 30 46
Maxwell Brothers, Jasper	06 19 20 22 46
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

INDEPENDENT LOGGERS

Lewis, E. M., Brooker

Prevatt, J. C., Lawtey

BREVARD COUNTY

HEWN TIE TIMBER	
McCallum, J. F., Rt. 1, De Land	08

SAW TIMBER	
Allen, C. E., P. O. Box 22, Scottsmoor	02 08 33
Goethe, Henry, Lumber Co., Titusville	02 08
Marshall, J. W., Malabar	08
Martin Lumber Co., Indian Town	02 04 05
Merritt Island Lumber Co., Merritt Island	08
Sullivan, W. L., Lumber Co., Stuart	02 08
Wilson Sawmill, Box 111, Fellsmere	02 04 05

CYPRESS SAPLINGS, CUT OR STANDING	
Futch Brothers Furniture Co. Box 701, Melbourne	08

CABBAGE PALMS

O. K. Fibre Brush Co., Inc., Benson Junction

FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09

HEWN TIES	
Hill, C. E., Jasper	08
McCallum, J. F., Rt. 1, De Land	00 08

NAVAL STORES GUM	
Newton Co., The, Box 410, Lake City	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

PULPWOOD	
McCallum, J. F., Rt. 1, De Land	08

SAWLOGS	
Allen, C. E., P. O. Box 22, Scottsmoor	02 08 33
Goethe, Henry, Lumber Co., Titusville	02 08
Marshall, J. W., Malabar	08
Martin Lumber Co., Indian Town	02 04 05
Merritt Island Lumber Co., Merritt Island	08
Sullivan, W. L., Lumber Co., Stuart	02 08
Wilson Sawmill, Box 111, Fellsmere	02 04 05

BROWARD COUNTY

PILING TIMBER	Species
Lee, W. F., Fort Lauderdale	05 08

SAW TIMBER	
East Coast Land and Cattle Co. 718 Comeau Bldg., West Palm Beach	02 05

FENCE POSTS	
Miami Wood Treating Co. P. O. Box 623, Coral Gables	05

FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

SAWLOGS	
East Coast Land and Cattle Co. 718 Comeau Bldg., West Palm Beach	02 05

CALHOUN COUNTY

DISTILLATION TIMBER	
Boone, T. Foster, Tallahassee	04 05
Newport Industries, Inc., Pensacola	09
Southern Pine Extract Co., Blountstown	04 05

FENCE POST TIMBER	
Shiver, W. D., Kinard	09

HEWN TIE TIMBER	
Tharp, J. W., River Junction	08 12 13 21 22 23 35
Wethington, John A. Box 872, Tallahassee	08 19 20 23

NAVAL STORES STUMPS	
Lawhon, O. C., Buyer Newport Industries, Crestview	04 05
Mason, W. F., Blountstown	04 05
Newport Industries, Inc., Pensacola	04 05

PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Roche, O. B., Blountstown	01

CALHOUN COUNTY (Continued)

POLE TIMBER	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Bartell, William, Blountstown	08
Capps, A. F., Kinard	08
Carter, C. B., Blountstown	08
Cox, D. Monroe, Box 62, Blountstown	08
Coxwell, Alton, Blountstown	08
Creel, C., Blountstown	08
Davis, Mace, Blountstown	08
Flowers, L. L., Kinard	08
Freeman, Arthur, Blountstown	08
Gaskin Brothers Lumber Co., Wewahitchka	08
Goodman, Willie, Panama City	08
Hamilton, Malvin, Altha	08
Huggin, C. T., Blountstown	08
Johnson, Munroe, Kinard	08
Kimbrel, George, R. F. D., Blountstown	08
Layne, R. H., Blountstown	08
Leonard, William C., Blountstown	08
Linton, C. B., Blountstown	08
Lockwood, Albert, Blountstown	08
Mason, Ray, Blountstown	08
Mason, W. F., Blountstown	08
Pate, C. R., Panama City	08
Pickeron, R. L., Kinard	08
Pinelands Co., Blountstown	08
Sewell, J. J., Altha	08
Sharred, Charles, Blountstown	08
Spurlock, J. A., Rt. 1, Blountstown	08
Stewart, Allen, Blountstown	08
Stewart, M. O., Panama City	08
Teat, H. Y., Blountstown	08
Teat, P. L., Blountstown	08
Waller, C. B., Jr., Youngstown	04 05
Waller and Durham Co., Youngstown	08
Ward Pulpwood Co., Cottondale	08
Wood, G. R., Altha	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Coxwell, William, Blountstown	01 08 19 30 33
Elberta Crate Co., Tallahassee	08 23 34
Freeman, Arthur, Blountstown	02 08 10 19 30 33
Green, John, Blountstown	01 02 08 19
Hodges Lumber Co., Marianna	02 08 20
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Miller, John L., Lumber Co., Hosford	02 08 19 30 33
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
Nichols, Preston, Rt. 2, Altha	02 08

CALHOUN COUNTY (Continued)

SAW TIMBER	Species
Pelham, J. I., Rt. 1, Box 222B, Marianna	08 20 22
Railey, J. J., Rt. 1, Box 66, Panama City	08
Railey, J. P., Rt. 1, Box 66, Panama City	02 04 05
Rex Lumber Co., Bristol	02 08 23 33
Rhyne Co., Inc., Marianna	02 08
Robertson, H. L. and T. A., Bristol	01 02 08
Roche, O. B., Blountstown	01
Roche, Sam, Vernon	01 08
St. Joe Lumber and Export Co., Port St. Joe	02 08 19
Speller, T. W., Sneads	08 19 20
Whitfield, Carlos, Blountstown	01 08 19 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SHUTTLE TIMBER	
Ludlow, Wilson, Box 37B, River Junction	17 28

VENEER TIMBER	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 22 23 30 33 35
Elberta Crate Co., Tallahassee	23 34
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35

11-FOOT SHADE POSTS AND POST TIMBER	
Shiver, W. D., Kinard	02 09

FENCE POSTS	
Bowen, F. L., Box 132, Youngstown	02 04 09
Shiver, W. D., Kinard	09

HEWN TIES	
Tharp, J. W., River Junction	08 12 13 21 22 23 35
Wethington, John A., Box 872, Tallahassee	08 19 20 23

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08

PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Roche, O. B., Blountstown	01
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gaskin Brothers Lumber Co., Wewahitchka	08
Pinelands Co., Blountstown	08
St. Regis Paper Co., Cantonment	08

CALHOUN COUNTY (Continued)

PULPWOOD	Species
Stewart, Allen, Blountstown	08
Waller, C. B., Jr., Youngstown	04
Waller and Burnam Co., Youngstown	[illegible]
SAWLOGS	
Elberta Crate Co., Tallahassee	08 [illegible]
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Miller, John L., Lumber Co., Hosford	02 08 [illegible]
Montgomery, T. M., [illegible]	01 02 08 10 [illegible] 33 35
New Lumber and Mfg. Co., Blountstown	01 02 08 15 [illegible] 20 [illegible] 30 33 [illegible]
Nichols, Preston, Rt. 2, Altha	[illegible]
Railey, J. J., Rt. 1, Box [illegible], Lumberton	02 04 05
Railey, J. P., Rt. 1, Box [illegible], Lumberton	02 04 [illegible]
Rex Lumber Co., Bristol	08 [illegible]
Rhyne Co., Inc., Marianna	02 08
Robertson, H. L. and T. A., Bristol	01 02 08
Roche, O. B., Blountstown	01
Roche, Sam, Vernon	02 08
St. Joe Lumber and Export Co., Port St. Joe	02 08 19
SHUTTLE BOLTS	
Capshaw, J. D., Marianna	17
Ludlow, Wilson, Box 37B, River Junction	17 28
Medgentra Ltd., U. S. A. Box 902, Tallahassee	17 [illegible]
VENEER BLOCKS AND LOGS	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 [illegible] 3[illegible]
Elberta Crate Co., Tallahassee	[illegible]
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35
INDEPENDENT LOGGERS	
Atkins, Ernest, Blountstown	
Parish, Henry, Blountstown	
Spurlock, J. A., Rt. 1, Blountstown	
Yon, Nip, Blountstown	

CHARLOTTE COUNTY

DISTILLATION TIMBER	
Cabot Carbon Co. Retort Chemical Division, Gainesville	[illegible]
SAW TIMBER	
Fort Myers Builders Service, Inc. Box 229, Fort Myers	02 08
Jack, John R., Lumber Co., Punta Gorda	02 08
Johnson, J. C., Box 290, Alva	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

CHARLOTTE COUNTY (Continued)

FUEL WOOD	Species
Fuel Wood, Inc., 169 N. W. 20th St., Miami	[illegible]
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	[illegible]
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	[illegible]
Miami Wood Treating Co. P. O. Box 623, Coral Gables	[illegible]
SAWLOGS	
Fort Myers Builders Service, Inc. Box 229, Fort Myers	[illegible]
Jack, John R., Lumber Co., Punta Gorda	02 08
Johnson, J. C., Box 290, Alva	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

CITRUS COUNTY

BOOM TIE TIMBER	
Cribbs, E. F., Morriston	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
PILING TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	[illegible]
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	[illegible]
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]
PULPWOOD TIMBER	
Alvarez, Bill, Williston	[illegible]
Bell, J. J., Brooksville	[illegible]
Cribbs, E. F., Morriston	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]
Pitts, R. L., Dunnellon	[illegible]
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]
SAW TIMBER	
Allen, D. D., Inglis	04 [illegible]
Bell Lumber Co., Box 151, Brooksville	04 [illegible]
Bono Lumber Co., Brooksville	[illegible] 05
Cummer Sons Cypress Co., Lacoochee	[illegible] 10 19 20 [illegible] 33
Foerster, Robt. O., Lumber Co., Inc. Crystal River	01
Goethe, J. T., Dunnellon	02 08

CITRUS COUNTY (Continued)

SAW TIMBER	Species
Lovett, J. W., and Sons, Bushnell	02 04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Robbins Mfg. Co., Box 733, Tampa	02 08
Thompson, W. M., Crystal River	01
Whatley, C. J., Rt. 2, Brooksville	02 04 05 18 20 21 23
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Russ Crate Co., Coleman	04 05 19 20 22 35

HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

NAVAL STORES GUM	
Newton Co., The, Box 410, Lake City	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Bell, J. J., Brooksville	04 05
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

SAWLOGS	
Bell Lumber Co., Box 151, Brooksville	04 05
Bono Lumber Co., Brooksville	04 05
Cummer Sons Cypress Co., Lacoochee	02 08 10 19 20 22 30 33
Foerster, Robt. O., Lumber Co., Inc. Crystal River	01
Goethe, J. T., Dunnellon	02 08
Harman, Karl, Crystal Springs	04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Robbins Mfg. Co., Box 733, Tampa	02 08
Whatley, C. J., Rt. 2, Brooksville	04 05 18 20 21 23

CITRUS COUNTY (Continued)

SPANISH MOSS	Species
Southern Moss Hair Co., Archer Rd., Gainesville	
Vego Hair Co., Gainesville	

VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

INDEPENDENT LOGGERS
Barnes, G. O., Lecanto
Coleman, Sam, Crystal River
Hopkins, O. H., Crystal River

CLAY COUNTY

HEWN TIE TIMBER	
Coleman, F. B., Maxville	02 08 19 20 21
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

PILING TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Dixie Timber Co., Box 805, Jacksonville	08
Glass, H. L., Orange Park	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Dixie Timber Co., Box 805, Jacksonville	08
Glass, H. L., Orange Park	08
Herndon, F. M., Middleburg	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Adams, Tom, Box 17, Orange Park	08
Austin, M. J., 221 Georgia St., Jacksonville	08
Carswell, J. E., Green Cove Springs	08
Dennis, D. E., Gainesville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glass, H. L., Orange Park	08
H. Y. P. Associates P. O. Box 1339, St. Augustine	
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Higginbottom, L., Wesconnett	02 08
Maguire, Leo Orange Dale, Star Route, Green Cove Springs	08
Mosley, C. E., Middleburg	02 08 19 20
Neal, Bill, Keystone Heights	08
Nolan, B. C., Maxville	08
Parrish, J. P., Maxville	08
Prevatt, Carl, Lawtey	08
Williams Brothers West Beaver St., Jacksonville	08

CLAY COUNTY (Continued)

PULPWOOD TIMBER	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER

Baxley, D. E., Doctors Inlet	02 08
Baxley, R. L., Doctors Inlet	02 08
Foremost Properties, Penney Farms	02 08
Foshee Lumber Co. 2731 Hershell St., Jacksonville	02 08 19 20
Glass, H. L., Orange Park	08
Granger, H. S., Middleburg	02 08
Granger, R. B., Doctors Inlet	02 08
Green, L. R., Highland	02 08
H. Y. P. Associates P. O. Box 1339, St. Augustine	01 08
Harris, Bill, Penney Farms	02 08
Herbert, J. W., Green Cove Springs	08
Herndon, F. M., Middleburg	08
Lucas, J. R., Maxville	02 08 19 20
McCoy Mfg. Co., Gainesville	02 08
Nalley, L. N., 47 Cordova St., St. Augustine	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Padgett, Irving, Middleburg	02 08
Padgett, M. L., Middleburg	02 08 19 20
Palatka Lumber Co., N. 8th St., Palatka	02 08
Rankin Lumber Co., 598 Acosta St., Jacksonville	02 08
Rathel, B., Picolata	02 08
St. Johns Box Co., Palatka	10 19 20 22 30 33
Slade, Lester, Hampton	02 08
Springside Lumber Co., Box 387, Palatka	02 08
Tipping and Clemons, Keystone Heights	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER

Adkins Mfg. Co., Gainesville	10 19 20 30 35
Jacksonville Box Co., Jacksonville	19 20 22 30 33
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
St. Johns Box Co., Palatka	10 19 20 22 30 33

COOPERAGE BOLTS

Ross Crate and Cooperage Co., Palatka	04 05

FENCE POSTS

Keystone Lumber Co., Keystone Heights	01 02 04

HEWN TIES

Crosby, M. E., Spring Glen	08 23
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
Williamson Tie Co., Box 1527, Jacksonville	02 04 05 19 23

CLAY COUNTY (Continued)

NAVAL STORES GUM	Species
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	04 05
Newton Co., The, Box 410, Lake City	04 05
Reasor-Lewis Corp. Beaver St., Jacksonville	04 05

PILES

Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES

Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD

Consolidated Naval Stores Co. Box 418, Jacksonville	08
Dennis, D. E., Gainesville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glisson, J. L., Peniel Rd., Palatka	04 05
Parrish, W., Lawtey	08
Peck, E. W., Olive Court, Gainesville	08
Peck, P. W., Olive Court, Gainesville	08
Prevatt, Carl, Lawtey	08

SAWLOGS

Baxley, R. L., Doctors Inlet	02 08
Browning Lumber Co., East Palatka	02 08
Florida Furniture Ind., Inc., Palatka	02 04 05 19 20 22 30 33 35
Glass, H. L., Orange Park	08
Granger, R. B., Doctors Inlet	02 08
Green, L. R., Highland	02 08
Harris, Bill, Penney Farms	02 08
Harris, J. C., Keystone Heights	02 08
Herbert, J. W., Green Cove Springs	08
Marion-Horn Lumber Co. Edgewood and Adams, Jacksonville	02 08
McCoy Mfg. Co., Gainesville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Padgett, Irving, Middleburg	02 08
Palatka Lumber Co., N. 8th St., Palatka	02 08
Rankin Lumber Co., 598 Acosta St., Jacksonville	02 08
Ross Crate and Cooperage Co., Palatka	04 05
St. Johns Box Co., Palatka	10 19 20 22 30 33
Slade, Lester, Hampton	02 08

CLAY
COLLIER
COLUMBIA

CLAY COUNTY (Continued)

SAWLOGS	Species
Tipping and Clemons, Keystone Heights	08
Whitehead, M. B., Maxville	02 08
Whitehead, W. B., Maxville	08
Widdon-Hays Lumber Co. 2731 Hershell St., Jacksonville	02 08

SPANISH MOSS

Flemming, Harry, Hawthorn	
Vego Hair Co., Gainesville	

VENEER BLOCKS AND LOGS

Adkins Mfg. Co., Gainesville	10 19 20 30 35
Maxwell Brothers, Jasper	06 19 20 22 30
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
St. Johns Box Co., Palatka	10 19 20 22 30 33

INDEPENDENT LOGGERS

Demay, H. S., Green Cove Springs	
Harris, J. C., Keystone Heights	
Moody, V. W., Green Cove Springs	
Mosley, C. E., Middleburg	

COLLIER COUNTY

DISTILLATION TIMBER

Cabot Carbon Co. Retort Chemical Division, Gainesville	09

FENCE POST TIMBER

Carver, J. C., Bonita Springs	09
Hendrix, C. D., Clewiston	09
Red's Wood Yard 2205 5th Avenue, South, St. Petersburg	09

FUEL-WOOD TIMBER

Hendrix, C. D., Clewiston	09

PILING TIMBER

Hendrix, C. D., Clewiston	09

SAW TIMBER

Harvard, W. T., Bonita Springs	02 08
Jones, C. J., Everglades	02 08
O'Bannon, Paul, Box 104, La Belle	02 08
South Florida Lumber Co., Naples	02 08

FENCE POSTS

Jackson, S. K., Naples	09

FUEL WOOD

Wood Fuel, Inc., 169 N. W. 20th St., Miami	09

PILES

Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

POLES

Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

COLLIER COUNTY (Continued)

SAWLOGS	Species
Fort Myers Builders Service, Inc. Box 229, Fort Myers	02 08
Johnson, J. C., Box 290, Alva	02 08
O'Bannon, Paul, Box 104, La Belle	02 08

COLUMBIA COUNTY

FENCE POST TIMBER

Live Oak Creosoting Co., Live Oak	08

HEWN TIE TIMBER

Christie, Ralph, 1919 N. Marion, Lake City	04 05
Deese, Joe, Fort White	05 06
Dempsey and McAllister, Live Oak	02 08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Harrell, O. T., Box 1200, Lake City	04 05
Horton, Guy, Fort White	02 04 05
Keen, F. E., General Delivery, Lake City	05 06
Morton, Ralph, Lake City	02 04 05
Waldron, J. L., General Delivery, Lulu	04 05
Williams, J. M., Lake City	05 06

PILING TIMBER

Bevan, Norman M., Live Oak	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER

Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Brock, Robert, Live Oak	08
Canal Timber Corp., Lake City	05 06
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Deese, Joe, Fort White	05 06
Dempsey and McAllister, Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Fissil, Fred, Branford	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Kirby, Marshall, Columbia	04 05
Land, Drew, Live Oak	08
Malasso, Mike, Lake City	08
McCall, J. W., Columbia	04 05
Morton, Ralph, Lake City	08
Nobles, Rufus, Live Oak	08
Warren and Hancock, Live Oak	08
Willis, Buster and Poole, Morris, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

COLUMBIA COUNTY (Continued)

PULPWOOD TIMBER	Species
Allen, C. C., Macclenny	04 05
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Camp, J. C., Jasper	08
Canal Timber Corp., Lake City	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Deese, Joe, Fort White	04 05
Dempsey and McAllister, Live Oak	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Harrell, O. T., Box 1200, Lake City	08
Hunter, Garnett, White Springs	08
Keen, F. E., General Delivery, Lake City	04 05
Malasso, Mike, Lake City	08
Morton, Ralph, Lake City	08
Nobles, Rufus, Live Oak	08
Warren and Hancock, Lake City	08
Williams, J. M., Lake City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Bevan, Verner, Live Oak	02 08 19 20 21 29 30
Bradley, W. B., Branford	01 02 08 10 19 20 22 30
Brown, E. M., Box 262, Macclenny	04 05
Bumgarner, Ted, Lulu	02 04 05
Camp, J. C., Jasper	02 08
Canal Timber Corp., Lake City	02 04 05
Carver, R. M., Macclenny	02 04 05
Carver, Wm., Lake City	04 05
Daniels, T. A., Branford	02 08
Gill and McDaniels, General Delivery, Lake City	04 05
Goff Sawmill, Live Oak	01 02 08 19 20 30
Granger Lumber Co., Inc., Lake City	01 04 05 19 20 30
Griffin, J. D., O'Brien	01 02 08 19 20 21 23 27 29 30
Hartley, H. L., High Springs	08
Jenkins Brothers, Lake City	02 04 05
Kellogg Lumber Co., Live Oak	02 08
Kent, S. E., Branford	01 02 08
King, A. C., Box 991, Lake City	02 04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Noland, Sam H., 800 W. Railroad St., Lake City	04 05
Roe, Charley, Lake City	02 05 06
Sapp, W. J., Jasper	02 08
Saunders, S. D., Lake City	04 05
Spradley, Pete, Rt. 1, Lake City	08
Stevens, Alex, Lake City	08 23

COLUMBIA COUNTY (Continued)

SAW TIMBER	Species
Waldron, J. L., General Delivery, Lulu	02 04 05
Warren and Hancock, Live Oak	01 02 08
Williams, J. M., Lake City	02 05 06
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Consumers Lumber and Veneer Co., Apopka	04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Russ Crate Co., Coleman	04 05 19 20 22 35
Tampa Box Co., Box 190, Tampa	30 35

FENCE POSTS	
Live Oak Creosoting Co., Live Oak	08

HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
Williamson Tie Co., Box 1527, Jacksonville	02 04 05 19 23

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

SAWLOGS	
Daniels, T. A., Branford	02 08
Kellogg Lumber Co., Live Oak	02 08
Murry-Hill Lumber Co. Edgewood Avenue, Jacksonville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

COLUMBIA
DADE
DE SOTO
DIXIE

COLUMBIA COUNTY (Continued)

	Species
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Maxwell Brothers, Jasper	06 19 20 22 30
Nants Mfg. Co., Live Oak	08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Tampa Box [illegible], Box 140, Tampa	30 35
INDEPENDENT LOGGERS	
Christie, Ralph, 1919 N Marion, Lake City	
Clayton, George, Lake City	
Davis, E. L., Lake City	
Evans, C. C., Watertown	
Harrell, O. T., Box 1200, Lake City	
Keen, F. E., General Delivery, Lake City	
MacWilliams, J. L., Watertown	
Malasso, Mike, Lake City	
McCall, J. W., Columbia	
Mekell, L. J., W. Railroad St., Lake City	
Russ, A. D., Watertown	
Simpson, J. R., General Delivery, Lake City	
Steedley, I. S., Lake City	
Terry, A. C., Fort White	
Witt, Ormond, Rt. 3, Lake City	

DADE COUNTY

	Species
PILING TIMBER	
Boyington, M., Miami	05 08
Mitchell, D. C., Miami	08
SAW TIMBER	
Perrine Lumber Co., Perrine	05
Rutherford Lumber Co., Inc. Rt. 1, Box 16, Homestead	05
FENCE POSTS	
Miami Wood Treating Co. P. O. Box 623, Coral Gables	05
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
Perrine Lumber Co., Perrine	05

DE SOTO COUNTY

	Species
SAW TIMBER	
George, D. H., Lumber Co., Arcadia	02 05
Jack, John R., Lumber Co., Punta Gorda	02 08
Johnson Lumber Co., Box 309, Palmetto	02 08

DE SOTO COUNTY (Continued)

	Species
SAW TIMBER	
Myers Timber Co., Arcadia	02 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Revell, K., Wauchula	05 19 20
Thomas Lumber Co., Zolfo Springs	04 05
VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Revell, K., Wauchula	05 19 20
FENCE POSTS	
Florida Fence Post Co., Inc., Ona	05
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
PULPWOOD	
Ferguson, W. J., Arcadia	05
SAWLOGS	
George, D. H., Lumber Co., Arcadia	02 05
Jack, John R., Lumber Co., Punta Gorda	02 08
Myers Timber Co., Arcadia	02 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Revell, K., Wauchula	05 19 20
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Revell, K., Wauchula	05 19 20

DIXIE COUNTY

	Species
HANDLE TIMBER	
Gulf Hardwood Co., Perry	10 21
HEWN TIE TIMBER	
Andrews, M. D., Chiefland	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Hodge, Hinton, Old Town	02 08 23
Sapp, Ronald, Rt. 1, Branford	02 08 23
PILING TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

DIXIE COUNTY (Continued)

POLE TIMBER	Species
Dixie Timber Co., Box 805, Jacksonville	08
Fissil, Fred, Branford	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Nobles, Rufus, Live Oak	08
Sapp, Ronald, Rt. 1, Branford	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Andrews, M. D., Chiefland	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Graham, F. F., Perry	08
Griffin, J. D., O'Brien	08
Hodge, Hinton, Old Town	08
Nobles, Rufus, Live Oak	08
Sapp, Ronald, Rt. 1, Branford	08
Stephenson, Wilmer, Rt. 2, Branford	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Barwick, W. F., Branford	08
Bradley, W. B., Branford	01 02 08 10 19 20 22 30
Elliot, Lee, Cross City	02
Foerster, Robt. O., Lumber Co., Inc. Crystal River	01
Goff Sawmill, Live Oak	01 02 08 19 20 30
Griffin, J. D., O'Brien	01 02 08 19 20 21 23 27 29 30
Jones, E. F., Rt. 2, Branford	08
Kent, S. E., Branford	01 02 08
Linton, M. S., Perry	02 04 05
Stevens, Alex, Lake City	08 23
Weeks, Mitchel, Buyer Cummer Lumber Co., Cross City	02 19 20 30
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
NAVAL STORES GUM	
Boynton, W. J. and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Weaver and Loughridge, Boyd	08

DIXIE COUNTY (Continued)

PILES	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Conger, E. C., Co., Madison	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Weaver and Loughridge, Boyd	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
SAWLOGS	
Foerster, Robt. O., Lumber Co., Inc. Crystal River	01
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Maxwell Brothers, Jasper	06 19 20 22 30
INDEPENDENT LOGGERS	
Webb, C. E., Cross City	

DUVAL COUNTY

HEWN TIE TIMBER	
Coleman, F. B., Maxville	02 08 19 20 21
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
King, C. O., Jacksonville	08
PILING TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonvile	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Glass, H. L., Orange Park	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Glass, H. L., Orange Park	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33

DUVAL COUNTY (Continued)

POLE TIMBER	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Adams, Tom, Box 17, Orange Park	08
Anderson, L. R., Bayard	08
Austin, M. J., 221 Georgia St., Jacksonville	08
Boyd, B. M., Bryceville	08
Crews, W. M., Bryceville	02 08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glass, H. L., Orange Park	08
H. Y. P. Associates P. O. Box 1339, St. Augustine	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Higginbottom, L., Wesconnett	02 08
Murphy, R. L., Dinsmore	08
Nolan, B. C., Maxville	08
Parrish, J. P., Maxville	08
Webber, A. H., Callahan	08
Williams Brothers West Beaver St., Jacksonville	08
Williamson Brothers, Beaver St., Jacksonville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Anderson, L. R., Bayard	02 08
Anthony and Hamilton Lumber Co. Rt. 2, Jacksonville	02 08
Bennett, W. J., Lumber Co., Switzerland	08 19 20
Blyler Brothers Lumber Co., Dinsmore	02 08
Broward Lumber Co. Rt. 2, Box 217, Jacksonville	02 08
Brown, E. M., Box 262, Macclenny	04 05
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Foshee Lumber Co. 2731 Hershell St., Jacksonville	02 08 19 20
Gibson, H. B. Rt. 1, Box 246, Jacksonville	02 08
Glass, H. L., Orange Park	08
Gordon, J. H., Lumber Co. Box 1120, St. Augustine	02 08
Granger, R. B., Doctors Inlet	02 08
Green, L. R., Highland	02 08
H. Y. P. Associates P. O. Box 1339, St. Augustine	01 08
Higginbotham, L. C. Rt. 3, Box 614C, Jacksonville	08
Higginbotham, Wayne Rt. 2, Box 271H, Jacksonville	08
Lucas, J. R., Maxville	02 08 19 20
Mercer, H. L., Rt. 1, Box 99, Dinsmore	08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Ogilvie, A. E. and Sons Rt. 3, Box 610, Jacksonville	08
Padgett, M. L., Middleburg	02 08 19 20
Phillips, E. R., Marietta	02 08

DUVAL COUNTY (Continued)

SAW TIMBER	Species
Rankin Lumber Co., 598 Acosta St., Jacksonville	02 08
Rathel, B., Picolata	02 08
Rivers, R. J., Box 2261, Jacksonville	08
Smith, Thomas M., Rt. 2, Box 264, Jacksonville	08
Widdon-Hays Lumber Co. 2731 Hershell St., Jacksonville	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Highland Crate Cooperative Box 4068, Jacksonville	05 19 20 33
Jacksonville Box Co., Jacksonville	19 20 22 30 33
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

DISTILLATION WOOD	
Popwell, W. W., Dinsmore	04 05 09

FENCE POSTS	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

HEWN TIES	
Bell, J. Q., Callahan	02 08 19 20
Crosby, M. E., Spring Glen	08 23
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
Williamson Tie Co., Box 1527, Jacksonville	02 04 05 19 23

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	04 05
Newton Co., The, Box 410, Lake City	04 05
Reasor-Lewis Corp., Beaver St., Jacksonville	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

DUVAL COUNTY (Continued)

PULPWOOD	Species
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Cook, Henry, Callahan	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

SAWLOGS	
Andrew, Wiley M., Rt. 2, Box 257, Jacksonville	02 04 [illegible]
Anthony and Hamilton Lumber Co. Rt. 2, Jacksonville	02 08
Blyler Brothers Lumber Co., Dinsmore	02 08
Braddock, J. A., Dinsmore	02 08
Broward, C. M., Rt. 8, Box 266, Jacksonville	02 08
Broward Lumber Co. Rt. 2, Box 217, Jacksonville	02 08
Browning Lumber Co., East Palatka	02 08
Cooper and Higgenbotham, Hilliard	02 08
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Foshee Lumber Co. 2731 Hershell St., Jacksonville	02 08
Gibson, H. B., Rt. 1, Box 246, Jacksonville	02 08
Glass, H. L., Orange Park	08
Gordon, J. H., Lumber Co. Box 1120, St. Augustine	01 08
Granger, H. S., Middleburg	02 08
Granger, R. B., Doctors Inlet	02 08
Green, L. R., Highland	02 08
Marion-Horn Lumber Co. Edgewood and Adams, Jacksonville	02 08
Murry-Hill Lumber Co. Edgewood Avenue, Jacksonville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 [illegible] 30 33 35
Normandy Boulevard Lumber Co. Normandy Boulevard, Jacksonville	02 08
Ogilvie, A. E., and Sons Rt. 3, Box 610, Jacksonville	08
Rankin Lumber Co., 598 Acosta St., Jacksonville	02 08
Tresca Sawmill, Tresca Rd., Jacksonville	02 08
Whitehead, M., Baldwin	02 08
Whitehead, M. B., Maxville	02 08
Whitehead, W. B., Maxville	08
Widdon-Hays Lumber Co. 2731 Hershell St., Jacksonville	02 08

SPANISH MOSS
Vego Hair Co., Gainesville

VENEER BLOCKS AND LOGS	
Highland Crate Cooperative Box 4068, Jacksonville	05 19 20 33
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

NAVAL STORES GUM SCRAPINGS
Popwell, W. W., Dinsmore

INDEPENDENT LOGGERS
Austin, M. J., 221 Georgia St., Jacksonville
Braddock, J. A., Dinsmore
Harrold, Percy, Garden City
Herold, P. G., Rt. 3, Box 572, Jacksonville
Higginbottom, L., Wesconnett

DUVAL COUNTY (Continued)

INDEPENDENT LOGGERS	Species
Osteen, J. O., Whitehouse	
Palmer, Thomas, Oceanway	
Selby, J. C., Oceanway	

ESCAMBIA COUNTY

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	[illegible]

FENCE POST TIMBER	
Carroll, Charles H., Rt. 5, Box 446, Pensacola	01 [illegible]

NAVAL STORES STUMPS	
Gipson, Morris, Myrtle Grove	04 05
Newport Industries, Inc., Pensacola	04 05

PILING TIMBER	
Arnold, J. A., Box 44, Gonzalez	08
Baldwin Pole and Piling Co. Bay Minette, Alabama	04 05
Escambia Treating Co., Box 1710, Pensacola	08
Fillingim, R. T., Bay Springs	08
Godwin, Earnest, Brewton, Alabama	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, S. E., Munson	08
Jackson, Ray, Rt. 2, Brewton, Alabama	08
Loper, Ray E., Lumber Co., Bay Minette, Alabama	04 05
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Milstead, Frank, Rt. 1, Box 120, McDavid	08
Moye, C. V., Bluffsprings	08
Pensacola Creosoting Co., Pensacola	08
Rutherford, Joe, Barrineau Park	08
Sanson, Storie, 811 E. Hatton, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Arnold, J. A., Box 44, Gonzalez	08
Baldwin Pole and Piling Co. Bay Minette, Alabama	04 05
Escambia Treating Co., Box 1710, Pensacola	08
Fillingim, R. T., Bay Springs	08
Godwin, Earnest, Brewton, Alabama	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, S. E., Munson	08
Jackson, Ray, Rt. 2, Brewton, Alabama	08
Loper, Ray E., Lumber Co., Bay Minette, Alabama	04 05
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Milstead, Frank, Rt. 1, Box 120, McDavid	08
Moye, C. V., Bluffsprings	08
Pensacola Creosoting Co., Pensacola	08
Rutherford, Joe, Barrineau Park	08
Sanson, Storie, 811 E. Hatton, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Bishop, G. M., Argyle	08
Douglas, W. D., Crestview	08

ESCAMBIA COUNTY (Continued)

PULPWOOD TIMBER	Species
Estes Timber Co., Cantonment	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Abbott Lumber Mfg. Co., Box 1182, Pensacola	08 20 23
Alger-Sullivan Lumber Co., Century	01 02 08 23 33
Arnold, J. A., Box 44, Gonzalez	02 08 20 33
Baldwin Pole and Piling Co. Bay Minette, Alabama	04 05
Barlow, W. L., Star Route, Atmore, Alabama	23
Barth Lumber Co., Barth	02 08 23 30 33
England, H., Lumber Co. Robertsdale, Alabama	08
Helton, Hughgy, Star Route, Myrtle Grove	02 08
Hudson, A. G., Lumber Co., Box 5136, Pensacola	08
Loper, Ray E., Lumber Co., Bay Minette, Alabama	04 05
Milstead, Frank, Rt. 1, Box 120, McDavid	08
Porter Lumber Co., Rt. 5, Box 363, Pensacola	08 33
Steele, C. C., Foley, Alabama	02 04 05
Swift, Hunter, Lumber Co., Atmore, Alabama	02 08 10 12 19 20 21 22 23 29 30 33
White, B. N., Lumber Co., Flomaton, Alabama	04 05 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Bogia Veneer Mill, Bogia	19 20 30 33
Miller, T. R., Mill Co., Bogia	19 20 22 30 33
EXCELSIOR WOOD AND TIMBER	
Pensacola Excelsior Co. P. O. Box 135, Pensacola	08
COOPERAGE BOLTS	
Pensacola Excelsior Co. P. O. Box 135, Pensacola	08
FENCE POSTS	
Wood, J. R. Builders Supply Co., Atmore, Alabama	04 08
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Peninsular-Lurton Co., Pensacola	04 05
PILES	
Alabama Wood Preserving Co. Robertsdale, Alabama	04 05
Baldwin Pole and Piling Co. Bay Minette, Alabama	04 05
Escambia Treating Co., Box 1710, Pensacola	08
Loper, Ray E., Lumber Co., Bay Minette, Alabama	04 05
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Alabama Wood Preserving Co. Robertsdale, Alabama	04 05

ESCAMBIA COUNTY (Continued)

POLES	Species
Baldwin Pole and Piling Co. Bay Minette, Alabama	04 05
Escambia Treating Co., Box 1710, Pensacola	08
Loper, Ray E., Lumber Co., Bay Minette, Alabama	04 05
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Armstrong Cork Co., P. O. Box 351, Pensacola	08
Consolidated Naval Stores Co. Box 418, Jacksonville	08
St. Regis Paper Co., Cantonment	08
SAWLOGS	
Abbott Lumber Mfg. Co., Box 1182, Pensacola	08 20 23
Arnold, J. A., Box 44, Gonzalez	02 08 20 33
Barth Lumber Co., Barth	02 08 23 30 33
England, H., Lumber Co. Robertsdale, Alabama	08
Harris, Neal, Molino	08
Hudson, A. G., Lumber Co., Box 5136, Pensacola	08
Loper, Ray E., Lumber Co., Bay Minette, Alabama	04 05
Owsley Lumber Co., P. O. Box 1249, Pensacola	02 08 19 33
Pine Lumber Co., Flomaton, Alabama	04 05
Porter Lumber Co., Rt. 5, Box 363, Pensacola	08 33
Steele, C. C., Foley, Alabama	02 04 05
Swift-Hunter Lumber Co., Atmore, Alabama	02 08 10 12 19 20 21 22 23 29 30 33
White, B. N., Lumber Co., Flomaton, Alabama	04 05 23 30 33
VENEER BLOCKS AND LOGS	
Miller, T. R., Mill Co., Bogia	19 20
INDEPENDENT LOGGERS	
Fillingim, R. T., Bay Springs	
Moye, C. V., Bluffsprings	
Sanson, Storie, 811 E. Hatton, Pensacola	
Tucker, E. A., Molino	

FLAGLER COUNTY

HEWN TIE TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hunter, E. A., Espanola	02
McCallum, J. F., Rt. 1, De Land	08
PILING TIMBER	
King, T. L., Lumber Co., Bunnell	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
King, T. L., Lumber Co., Bunnell	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

FLAGLER COUNTY (Continued)

PULPWOOD TIMBER	Species
H. Y. P. Associates P. O. Box 1339, St. Augustine	08
Wadsworth, L. E., Bunnell	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Barnes Lumber Co., Box 84, Hastings	02 08
Gordon, J. H., Lumber Co. Box 1120, St. Augustine	02 08
H. Y. P. Associates P. O. Box 1339, St. Augustine	01 08
King, T. L., Lumber Co., Bunnell	02 08
Nalley, L. N., 47 Cordova St., St. Augustine	02 08
Rivers, R. J., Box 2261, Jacksonville	08
Starbuck, H. F., Lumber Co. P. O. Box 1146, St. Augustine	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Jacksonville Box Co., Jacksonville	19 20 22 30 33

COOPERAGE BOLTS	
Ross Crate and Cooperage Co., Palatka	04 05

HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
McCallum, J. F., Rt. 1, De Land	02 08
Starbuck, H. F., Lumber Co. P. O. Box 1146, St. Augustine	02 08

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	04 05
Newton Co., The, Box 410, Lake City	04 05
Reasor-Lewis Corp., Beaver St., Jacksonville	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glisson, J. L., Peniel Rd., Palatka	04 05
McCallum, J. F., Rt. 1, De Land	08

FLAGLER COUNTY (Continued)

PULPWOOD	Species
Wadsworth, L. E., Bunnell	08

SAWLOGS	
Barnes Lumber Co., Box 84, Hastings	02 08
Browning Lumber Co., East Palatka	02 08
Chesser, D. L., Lumber Co., Box 708, Palatka	02 08
Gordon, J. H., Lumber Co. Box 1120, St. Augustine	01 08
King, T. L., Lumber Co., Bunnell	02 08
Ross Crate and Cooperage Co., Palatka	04 05

SPANISH MOSS	
Vega Hair Co., Gainesville	

FRANKLIN COUNTY

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	04

HEWN TIE TIMBER	
Wethington, John A., Box 872, Tallahassee	08 19 20 33

NAVAL STORES STUMPS	
Newport Industries, Inc., Pensacola	04 05

PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Croxton, G. A., White City	08
Pinelands Co., Blountstown	08
Stewart, Allen, Blountstown	08
Teat, Robert L., Apalachicola	08
Waller and Durham Co., Youngstown	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Lindsey, Joe L., Sumatra	02 08
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
St. Joe Lumber and Export Co., Port St. Joe	02 08 10
Stimrad Lumber Co., Apalachicola	02 08 10 21 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

HEWN TIES	
Wethington, John A., Box 872, Tallahassee	08 19 20 33

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08

FRANKLIN COUNTY (Continued)

NAVAL STORES GUM	Species
Johnson, C. H., Apalachicola	04 05
Land, Clifford C., Eastpoint	04 05
PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Pinelands Co., Blountstown	08
St. Regis Paper Co., Cantonment	08
Stewart, Allen, Blountstown	08
Waller and Durham Co., Youngstown	08
SAWLOGS	
Lindsey, Joe L., Sumatra	02
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
St. Joe Lumber and Export Co., Port St. Joe	02 08 10
Stimrad Lumber Co., Apalachicola	02 08 10 21 35
INDEPENDENT LOGGERS	
Byrd, Tom, Apalachicola	
Tillman, Buster, Apalachicola	

GADSDEN COUNTY

COOPERAGE TIMBER	
Florida Stave Co., P. O. Box 57, River Junction	08 33
DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09
FENCE POST TIMBER	
Post and Lumber Preserving Co., Quincy	08
HANDLE TIMBER	
Post and Lumber Preserving Co., Quincy	08
HEWN TIE TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Tharp, J. W., River Junction	08 12 13 21 22 23 35
Wethington, John A. Box 872, Tallahassee	08 19 20 23
NAVAL STORES STUMPS	
Foster, H. E., Bristol	04 05 09
Newport Industries, Inc., Pensacola	04 05
PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

GADSDEN COUNTY (Continued)

POLE TIMBER	Species
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Post and Lumber Preserving Co., Quincy	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Covington, Jack L., Quincy	08
Coxwell, Alton, Blountstown	08
Duke, A. O., River Junction	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goodman, Willie, Panama City	08
Hart, Wm. S., Quincy	08
Huggin, C. T., Blountstown	08
King, Fred W., Sneads	08
Langston, O. L., Hosford	08
Layne, R. H., Blountstown	08
Lockwood, Albert, Blountstown	08
Mason, Ray, Blountstown	08
McDaniel, Willis, Sneads	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Peterson, Roosevelt, Midway	08
Sharred, Charles, Blountstown	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Tinnell, Ephram, Midway	08
Waller and Durham Co., Youngstown	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Atkinson, Robert, Havana	08
Bailey, F. D., Chattahoochee	02 08 19 20 33 35
Bell Mfg. Co., River Junction	08
Davis, Forrest, Quincy	08
Elberta Crate Co., Tallahassee	08 23 34
Ellison, Henry, Hosford	01 08 19 20 23 30 33
Fletcher Co., Greensboro	08
Leonard, D. B., Havana	08 10 18 22 30 33 35
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Littman, Gilbert, Sawmill, Quincy	08
McCall and Barineau Lumber Co. Rt. 3, Box 117A, Tallahassee	08
Miller, J. H., Hosford	08 19 20 30 33
Miller, John L., Lumber Co., Hosford	02 08 19 30 33
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
Rex Lumber Co., Bristol	02 08 23 33
Robertson, H. L. and T. A., Bristol	01 02 08
Rowan, E. J., Rt. A, Quincy	08 19 20 33 35
Sanders and Storey, Hosford	01 08 19 20 23 30 33

GADSDEN COUNTY (Continued)

SAW TIMBER	Species
Shepard, George, Bristol	01 08 19 20 23 30 33
Speller, J. W., Sneads	08 10 19 20 23 30 33 35
Speller, T. W., Sneads	08 19 20
Sykes, Buck, Hosford	01 08 19 20 23 30 33
Sykes, David, Hosford	01 08 19 20 23 30 33
Thomas Lumber and Mfg. Co., Quincy	08 33 35
Tyson, W. M., Lumber Co., Cairo, Georgia	08 30 33 35
Woods, H. W., Quincy	08 19 20 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SHUTTLE TIMBER	
Ludlow, Wilson, Box 37B, River Junction	17 28
VENEER TIMBER	
Elberta Crate Co., Tallahassee	23 34
Liberty County Mfg. Co., Hosford	19 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
11-FOOT SHADE POSTS AND POST TIMBER	
Post and Lumber Preserving Co., Quincy	08
COOPERAGE BOLTS	
Florida Stave Co., P. O. Box 57, River Junction	08 33
FENCE POSTS	
Post and Lumber Preserving Co., Quincy	08
HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Post and Lumber Preserving Co., Quincy	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Tharp, J. W., River Junction	08 12 13 21 22 23 35
Wethington, John A. Box 872, Tallahassee	08 19 20 23
NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Post and Lumber Preserving Co., Quincy	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08

GADSDEN COUNTY (Continued)

PULPWOOD	Species
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
St. Regis Paper Co., Cantonment	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Waller and Durham Co., Youngstown	08
SAWLOGS	
Atkinson, Robert, Havana	08
Bailey, F. D., Chattahoochee	02 08 19 30 33 35
Bell Mfg. Co., River Junction	08
Davis, Forrest, Quincy	08
Elberta Crate Co., Tallahassee	08 23 34
Fletcher Co., Greensboro	08
Leonard, D. B., Havana	08 10 18 22 30 35
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Littman, Gilbert, Sawmill, Quincy	08
Miller, John L., Lumber Co., Hosford	02 08 19 30 33
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35
Rex Lumber Co., Bristol	02 08 23 33
Robertson, H. L. and T. A., Bristol	01 02 08
Rowan, E. J., Rt. A, Quincy	08 19 20 33 35
Speller, J. W., Sneads	08 10 19 20 23 30 33 35
Tyson, W. M., Lumber Co., Cairo, Georgia	08 30 33 35
SHUTTLE BOLTS	
Capshaw, J. D., Marianna	17
Ludlow, Wilson, Box 37B, River Junction	17 28
Medgentra Ltd., U. S. A. Box 902, Tallahassee	17
VENEER BLOCKS AND LOGS	
Elberta Crate Co., Tallahassee	23 34
Liberty County Mfg. Co., Hosford	19 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35

INDEPENDENT LOGGERS

Braynt, L., River Junction
Carter, Monie, Rt. 2, Quincy
Chason, C. G., Quincy
Cloud, A. E., Rt. 2, Bainbridge, Georgia
Cloud, M. L., Rt. 2, Box 21, Bainbridge, Georgia
Duke, A. O., River Junction
Elliott, R. O., Quincy
Franklin, Willie Bell, Midway
Friday, L. E., Quincy
Fulgham, C. L., Cypress
Heirs, C. M., Quincy
Jackson, Tab, River Junction
Mincey, Dock, River Junction
Peters, Sampson, Midway

GADSDEN COUNTY (Continued)

INDEPENDENT LOGGERS	Species
Reese, L., Havana	
[illegible], John H., Havana	
Robinson, A. L., Midway	
Watts, E. W., Quincy	
Wood, H. S., Rt. 2, Quincy	

GILCHRIST COUNTY

DISTILLATION TIMBER	
Cabot Carbon Co. Retort Chemical Division, Gainesville	09
HEWN TIE TIMBER	
Andrews, M. D., Chiefland	04 05
Deese, Joe, Fort White	05 06
Dempsey and McAllister, Live Oak	02 08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Hodge, Hinton, Old Town	02 08 23
Horton, Guy, Fort White	02 04 05
Sapp, Ronald, Rt. 1, Branford	01 08 23
PILING TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Carter, S. I., P. O. Box 400, Live Oak	08
Deese, Joe, Fort White	05 06
Dixie Timber Co., Box 805, Jacksonville	08
Fissil, Fred, Branford	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Nobles, Rufus, Live Oak	08
Sapp, Ronald, Rt. 1, Branford	08
Warren and Hancock, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Andrews, M. D., Chiefland	08
Carter, S. I., P. O. Box 400, Live Oak	08
Deese, Joe, Fort White	04 05
Dennis, D. E., Gainesville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Graham, F. F., Perry	08
Griffin, J. D., O'Brien	08
Hodge, Hinton, Old Town	08
Nobles, Rufus, Live Oak	08
Sapp, Ronald, Rt. 1, Branford	08
Warren and Hancock, Lake City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Bradley, W. B., Branford	01 02 08 10 19 20 22 30

GILCHRIST COUNTY (Continued)

SAW TIMBER	Species
Daniels, T. A., Branford	02 08
Duke Lumber Co., Alachua	08
Goff Sawmill, Live Oak	01 02 08 19 20 30
Griffin, J. D., O'Brien	01 02 08 19 20 21 23 27 29 30
Kellogg Lumber Co., Live Oak	02 08
Kent, S. E., Branford	01 02 08
Stevens, Alex, Lake City	08 23
Warren and Hancock, Live Oak	01 02 08
Weeks, Mitchel, Buyer Cummer Lumber Co., Cross City	02 19 20 30
Williams, C. H., Newberry	02 23
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Dennis, D. E., Gainesville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
SAWLOGS	
Daniels, T. A., Branford	02 08
Duke Lumber Co., Alachua	08
Kellogg Lumber Co., Live Oak	02 08
SPANISH MOSS	
Southern Moss Hair Co. Archer Rd., Gainesville	
Vego Hair Co., Gainesville	

GILCHRIST COUNTY (Continued)

VENEER BLOCKS AND LOGS	Species
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Maxwell Brothers, Jasper	06 19 20 22 30

GLADES COUNTY

DISTILLATION TIMBER

Cabot Carbon Co.
Retort Chemical Division, Gainesville — 09

SAW TIMBER

Johnson, J. C., Box 290, Alva — 02 08

O'Bannon, Paul, Box 104, La Belle — 02 08

Thompson, C. H., Lake Placid — 02 08

CABBAGE PALMS

O. K. Fibre Brush Co., Inc., Benson Junction

FUEL WOOD

Wood Fuel, Inc., 169 N. W. 20th St., Miami — 09

PILES

Carr Creosoting Co.
Box 101, Little River Station, Miami — 08

Miami Wood Treating Co.
P. O. Box 623, Coral Gables — 08

POLES

Carr Creosoting Co.
Box 101, Little River Station, Miami — 08

Miami Wood Treating Co.
P. O. Box 623, Coral Gables — 08

SAWLOGS

Johnson, J. C., Box 290, Alva — 02 08

O'Bannon, Paul, Box 104, La Belle — 02 08

CYPRESS KNEES

Gaskins, Thomas, Palmdale — 02

GULF COUNTY

DISTILLATION TIMBER

Boone, T. Foster, Tallahassee — 04 05

Newport Industries, Inc., Pensacola — 04

Southern Pine Extract Co., Blountstown — 04 05

HEWN TIE TIMBER

Wethington, John A., Box 872, Tallahassee — 08 19 20

NAVAL STORES STUMPS

Lawhon, O. C., Buyer
Newport Industries, Crestview — 04 05

Mason, W. F., Blountstown — 04 05

Newport Industries, Inc., Pensacola — 04

PILING TIMBER

Escambia Treating Co., Box 1710, Pensacola — 08

Godwin, M. E., Rt. 2, Brewton, Alabama — 08

Lowery, A. M., Rt. 283, East Brewton, Alabama — 08

Middleton, Frank, Loxley, Alabama — 08

Pensacola Creosoting Co., Pensacola — 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

POLE TIMBER

Escambia Treating Co., Box 1710, Pensacola — 08

GULF COUNTY (Continued)

POLE TIMBER	Species
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER

Flowers, L. L., Kinard

Freeman, Arthur, Blountstown — 08

Gaskin Brothers Lumber Co., Wewahitchka — 08

Johnson, Munroe, Kinard — 08

Linton, C. B., Blountstown

Morgan, C. L, Wewahitchka — 08

Pate, C. R., Panama City

Pickron, Whit, Port St. Joe — 08

Pinelands Co., Blountstown — 08

Spurlock, J. A., Rt. 1, Blountstown — 08

Stewart, Allen, Blountstown — 08

Stewart, M. O., Panama City — 08

Teat, H. Y., Blountstown — 08

Teat, P. L., Blountstown

Waller and Durham Co., Youngstown — 08

Ward Pulpwood Co., Cottondale — 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

SAW TIMBER

Freeman, Arthur, Blountstown	02 08 10 19 30 33
Gaskin Brothers Lumber Co., Wewahitchka	02 08
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Linton, J. P., Sawmill, Box 239, Wewahitchka	02 08
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
Railey, J. J., Rt. 1, Box 66, Panama City	08
Railey, J. P., Rt. 1, Box 66, Panama City	
St. Joe Lumber and Export Co., Port St. Joe	
Stimrad Lumber Co., Apalachicola	02 08 10 21
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	

VENEER TIMBER

Neal Lumber and Mfg. Co., Blountstown — 01 02 08 10

SHINGLE BLOCKS AND TIMBER

Linton, J. P., Shingle Mill, Wewahitchka

HEWN TIES

Wethington, John A., Box 872, Tallahassee

NAVAL STORES GUM

Boynton, W. J., and Son, Inc.
P. O. Box 932, Tallahassee — 04 05

Consolidated Naval Stores Co.
Box 418, Jacksonville — 08

Johnson, C. H., Apalachicola — 04 05

GULF COUNTY (Continued)

PILES	Species
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	Species
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	Species
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gaskin Brothers Lumber Co., Wewahitchka	08
Pinelands Co., Blountstown	08
St. Regis Paper Co., Cantonment	08
Stewart, Allen, Blountstown	08
Waller and Durham Co., Youngstown	08

SAWLOGS	Species
Gaskin Brothers Lumber Co., Wewahitchka	02 08
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Linton, J. P., Sawmill, Wewahitchka	02 08
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35
Railey, J. J., Rt. 1, Box 66, Panama City	02 04 05
Railey, J. P., Rt. 1, Box 66, Panama City	02 04 05
St. Joe Lumber and Export Co., Port St. Joe	02 08 19
Stimrad Lumber Co., Apalachicola	02 08 10 21 33

VENEER BLOCKS AND LOGS	Species
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35

HAMILTON COUNTY

FENCE POST TIMBER	Species
Live Oak Creosoting Co., Live Oak	08

HEWN TIE TIMBER	Species
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 21 30
Christie, Ralph 1919 N. Marion, Lake City	04 05
Dempsey and McAllister, Live Oak	02 08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Keen, F. E., General Delivery, Lake City	05 06
Morton, Ralph, Lake City	02 04 05

PILING TIMBER	Species
Bevan, Norman M., Live Oak	08
Brock, J. H., 414 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Southern Forest Products Co., Inc., Live Oak	08

HAMILTON COUNTY (Continued)

PILING TIMBER	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	Species
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Brock, J. H., 414 Shelby St., Live Oak	08
Brock, Robert, Live Oak	08
Canal Timber Corp., Lake City	05 06
Carter, S. I., P. O. Box 400, Live Oak	08
Dempsey and McAllister, Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Gibson, J. W., Madison	08
Goff Sawmill, Live Oak	08
Land, Drew, Live Oak	08
Malasso, Mike, Lake City	08
Morton, Ralph, Lake City	08
Nobles, Rufus, Live Oak	08
Southern Forest Products Co., Inc., Live Oak	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Live Oak	08
Willis, Buster and Poole, Morris, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	Species
Allen, C. C., Macclenny	04 05
Armstrong, C. C., Madison	09
Barnes, C. B., Live Oak	08
Beck, W. M., Jennings	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Camp, J. C., Jasper	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Dempsey and McAllister, Live Oak	08
Gibson, J. W., Madison	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Howerton, T. M., Madison	08
Hunter, Garnett, White Springs	08
Malasso, Mike, Lake City	08
Morton, Ralph, Lake City	08
Nobles, Rufus, Live Oak	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Lake City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	Species
Bevan, Verner, Live Oak	02 08 19 20 21 29 30
Camp, J. C., Jasper	02 08
Canal Timber Corp., Lake City	02 04 05
Gibson, T. C., Lumber Co., Madison	02 08

HAMILTON COUNTY (Continued)

	Species
SAW TIMBER	
Goff Sawmill, Live Oak	01 02 08 19 20 30
Granger Lumber Co., Inc., Lake City	01 04 05 19 20 30
Kellogg Lumber Co., Live Oak	02 08
Madison Lumber Co., Madison	02 08
Sapp, W. J., Jasper	02 08
Studstill Lumber Co., Madison	02 08
Warren and Hancock, Live Oak	01 02 08
Williams, Jim, Lee	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Southern Plywoods, Greenville	19 20 22 30
FENCE POSTS	
Live Oak Creosoting Co., Live Oak	08
HEWN TIES	
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 23 30
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
Studstill Lumber Co., Madison	02
Williamson Tie Co., Box 1527, Jacksonville	02 04 05 19 23
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05
PILES	
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Southern Forest Products Co., Inc. Live Oak	08
Weaver and Loughridge, Boyd	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Conger, E. C., Co., Madison	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Southern Forest Products Co., Inc., Live Oak	08
Weaver and Loughridge, Boyd	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
SAWLOGS	
Camp, J. C., Jasper	02 08
Gibson, T. C., Lumber Co., Madison	02 08
Kellogg Lumber Co., Live Oak	02 08
Madison Lumber Co., Madison	02 08

HAMILTON COUNTY (Continued)

	Species
SAWLOGS	
Sapp, W. J., Jasper	08
Studstill Lumber Co., Madison	02 08
Williams, Jim, Lee	02 08
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Maxwell Brothers, Jasper	06 19 20 22 30
INDEPENDENT LOGGERS	
Curtiss, Thomas, Jasper	
Hunter, J. M., Jasper	
McCallum, Maxie, White Springs	
Moody, Arden, Jasper	

HARDEE COUNTY

DIMENSION TIMBER	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40
PILING TIMBER	
Lowe, Adell, Gardner	04 05 08
McClellan, D. D., Zolfo Springs	04 05 08
POLE TIMBER	
McClellan, D. D., Zolfo Springs	04 05 08
SAW TIMBER	
Clanton, W. W., Zolfo Springs	02 05
Driscoll, W. L., Wauchula	02 08
Florida Fence Post Co., Inc., Ona	05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Peddy, A. J., and Sons, Box 2627, Mulberry	02 08
Perry, Bill, Wauchula	05 20
Revell, K., Wauchula	08 19 20
Thomas Lumber Co., Zolfo Springs	04 05
Three Gee Dee Co., Pembroke	08
Ward, S. R., Jr., West Vine St., Bartow	08
Wilson, J. T., Wauchula	05
VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Revell, K., Wauchula	05 19 20
DIMENSION BOLTS	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40
FENCE POSTS	
Florida Fence Post Co., Inc., Ona	05
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
HEWN TIES	
Florida Fence Post Co., Inc., Ona	05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

HARDEE
HENDRY
HERNANDO

HARDEE COUNTY (Continued)

	Species
LOG	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Fence Post Co., Inc., Ona	05
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
PILING	
Bell, J. J., Brooksville	04 05
Ferguson, W. J., Arcadia	05
SAWLOGS	
Florida Fence Post Co., Inc., Ona	05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Peddy, A. J., and Sons, Box 2627, Mulberry	02 08
Revell, K., Wauchula	05 19 20
Wilson, J. T., Wauchula	20
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Revell, K., Wauchula	05 19 20
INDEPENDENT LOGGERS	
Revell, K., Wauchula	

HENDRY COUNTY

	Species
DISTILLATION TIMBER	
Cabot Carbon Co. Retort Chemical Division, Gainesville	09
FENCE POST TIMBER	
Hendrix, C. D., Clewiston	09
FUEL WOOD TIMBER	
Hendrix, C. D., Clewiston	09
PILING TIMBER	
Hendrix, C. D., Clewiston	09
SAW TIMBER	
Johnson, J. C., Box 290, Alva	02 08
Jones, C. J., Everglades	02 08
O'Bannon, Paul, Box 104, La Belle	02 08
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
LOG	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
LOGS	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
Johnson, J. C., Box 290, Alva	02 08
O'Bannon, Paul, Box 104, La Belle	02 08

HERNANDO COUNTY

	Species
FUEL WOOD TIMBER	
Red's Wood Yard 2205 5th Avenue, South, St. Petersburg	09
HANDLE TIMBER	
Slade, H. F., Longwood	08 10
HEWN TIE TIMBER	
Lockman, Moss T., Plant City	08
MINE PROP TIMBER	
Lockman, Moss T., Plant City	02 08
PILING TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Allpress, Leon S., Elfers	08
Bell, J. J., Brooksville	08
Crum, M. M., Lutz	08
Lockman, Moss T., Plant City	08
Pitts, R. L., Dunnellon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Ace Lumber Co., Rt. 1, Brooksville	04 05
Bell Lumber Co., Box 151, Brooksville	04 05
Blake Lumber Co., 9202 Nebraska Avenue, Tampa	02 08
Bono Lumber Co., Brooksville	04 05
Cash and Carry Lumber Co., Lakeland	02 08
Cummer Sons Cypress Co., Lacoochee	02 06 10 19 20 22 30 33
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Lacey, G. L., New Port Richey	04 05
Lockman, Moss T., Plant City	01 02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Palm Harbor Lumber Co., Box 206, Palm Harbor	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Robbins Mfg. Co., Box 733, Tampa	02 08
Thompson, W. M., Crystal River	01
Underwood, R. W., and Sons Box 264, Brooksville	02 08 10 18 23
Uzzle, Don, Box 154, New Port Richey	08
Whatley, C. J., Rt. 2, Brooksville	02 04 05 18 20 21 23
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Lockman, Moss T., Plant City	08 19 20

HERNANDO COUNTY (Continued)

VENEER TIMBER — Species

Nocatee-Manatee Crate Co. — 02 08 10 18
Plants at Nocatee, Manatee, and Callahan

Russ Crate Co., Coleman — 04 05 19 20

NAVAL STORES GUM

Newton Co., The, Box 410, Lake City — 04 05

PILES

Carr Creosoting Co.
Box 101, Little River Station, Miami

Florida Tar and Creosote Corp.
P. O. Box 3287, Tampa

Miami Wood Treating Co.
P. O. Box 623, Coral Gables

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville

POLES

Carr Creosoting Co.
Box 101, Little River Station, Miami

Florida Tar and Creosote Corp.
P. O. Box 3287, Tampa

Miami Wood Treating Co.
P. O. Box 623, Coral Gables

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville

PULPWOOD

Bell, J. J., Brooksville — 04 05

Crum, M. M., Lutz

SAWLOGS

Ace Lumber Co., Rt. 1, Brooksville — 04 05

Alison, J. H., Box 132, Brooksville — 04 05

Bell Lumber Co., Box 151, Brooksville

Bono Lumber Co., Brooksville — 04 05

Cummer Sons Cypress Co., Lacoochee — 02 08 10 19

Greenfield Lumber Co., Brooksville — 02 08

Harvard Lumber Co., Rt. 1, Box 360, Auburndale — 02 08

Nocatee-Manatee Crate Co. — 02 08 10 18
Plants at Nocatee, Manatee, and Callahan

Palm Harbor Lumber Co., Box 206, Palm Harbor — 02 08

Raulerson, J. J., Rt. 2, Box 964, Lakeland

Robbins Mfg. Co., Box 733, Tampa — 02 08

Underwood, R. W., and Sons
Box 264, Brooksville

Whatley, C. J., Rt. 2, Brooksville — 04 05 18 20

SPANISH MOSS

Harrell, Sam, Rt. 1, Box 186, Lutz

Southern Moss Hair Co., Archer Rd., Gainesville

Vego Hair Co., Gainesville

VENEER BLOCKS AND LOGS

Nocatee-Manatee Crate Co. — 02 08 10 18
Plants at Nocatee, Manatee, and Callahan

INDEPENDENT LOGGERS

Underwood, R. W., and Sons
Box 264, Brooksville

HIGHLANDS COUNTY

DISTILLATION TIMBER — Species

Retort Chemical Division, Gainesville

PILING TIMBER

Clenney, E. C., Avon Park — 04 05 08

POLE TIMBER

Clenney, E. C., Avon Park — 04 05 08

SAW TIMBER

Crawford, Bert, Venus

Maxcy Security, Inc., Box 191, Sebring — 08

Nocatee-Manatee Crate Co. — 02 08 10 18
Plants at Nocatee, Manatee, and Callahan — 30 33 35

Pollard, J. W., Box 83, Sebring — 02 08

Thomas Lumber Co., Zolfo Springs — 04 05

Thompson, C. H., Lake Placid — 02 08

VENEER TIMBER

Nocatee-Manatee Crate Co. — 02 08 10 18
Plants at Nocatee, Manatee, and Callahan — 30 33 35

CABBAGE PALMS

O. K. Fibre Brush Co., Inc., Benson Junction

FUEL WOOD

Wood Fuel, Inc., 169 N. W. 20th St., Miami

PILES

Carr Creosoting Co. — 08
Box 101, Little River Station, Miami

Miami Wood Treating Co. — 08
P. O. Box 623, Coral Gables

POLES

Carr Creosoting Co. — 08
Box 101, Little River Station, Miami

Miami Wood Treating Co. — 08
P. O. Box 623, Coral Gables

PULPWOOD

Bell, J. J., Brooksville — 04 05

SAWLOGS

Nocatee-Manatee Crate Co. — 02 08 10 18
Plants at Nocatee, Manatee, and Callahan — 30 33 35

Pollard, J. W., Box 83, Sebring

VENEER BLOCKS AND LOGS

Nocatee-Manatee Crate Co. — 02 08 10 18
Plants at Nocatee, Manatee, and Callahan — 30 33 35

HILLSBOROUGH COUNTY

DIMENSION TIMBER

Florida Orange Wood Corp.
1527 Lasalle St., Tampa

Harris, Gus, Lutz

Keysville Veneer Co., Keysville — 02 08 10 18

FENCE POST TIMBER

Lockman, Moss T., Plant City — 02 08

Micciche, Manuel, 3605 Florida Avenue, Tampa — 02 09

FUEL WOOD TIMBER

Red's Wood Yard — 09
2205 5th Avenue, South, St. Petersburg

HILLSBOROUGH COUNTY (Continued)

HEWN TIE TIMBER	Species
Lockman, Moss T., Plant City	08
MINE PROP TIMBER	
Lockman, Moss T., Plant City	02 08
PILING TIMBER	
Adkinson, A. D., Zephyrhills	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Strickland, D. C., Zephyrhills	08
Wilson, E., Plant City	08
POLE TIMBER	
Adkinson, A. D., Zephyrhills	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Strickland, D. C., Zephyrhills	08
Wilson, E., Plant City	08
PULPWOOD TIMBER	
Allpress, Leon S., Elfers	08
Baxter, W. M., 5822 E. Columbus Drive, Tampa	08
Carter, F. M., Lithia	08
Crum, M. M., Lutz	08
Hope, W. Harry, 5908 Branch Avenue, Tampa	08
Jable, E., 3507 34th Avenue, Tampa	08
Kovach, Frank C., 1805 40th St., Tampa	02 08
Lockman, Moss T., Plant City	08
Montgomery, H. J., Rt. 2, Box 783, Tampa	08
Stanford, J. C., Riverview	08
SAW TIMBER	
Armenia Avenue Lumber Co., Rt. 7, Box 343, Tampa	02 08
Baker, J. Q., Rt. 2, Box 256, Plant City	02 08
Blake Lumber Co. 9202 Nebraska Avenue, Tampa	02 08
Brantley, E. A., Lithia	02 08
Burnett, F. E., Rt. 1, Wimauma	08
Cash and Carry Lumber Co., Lakeland	02 08
Daniel Lumber Co. 216 Eagle St., Tarpon Springs	02 08
Davis, T., Riverview	02 08
Dykes, D. L., Rt. 4, Box 262, Tampa	02 08
Emerick Lumber Co., Nebraska Avenue, Tampa	02 08
Griffin, J. I., P. O. Box 1508, Plant City	02 08
Hamilton, Ralph, Gibsonton	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Hill, W. B., Zephyrhills	02 08
Johnson, C. E., Durant	08
Johnson Lumber Co., Box 309, Palmetto	02 08
Jordon Lumber Co., 3010 28th Avenue, Tampa	02 08
Keene, Wilson J., 1816 Yukon Avenue, Tampa	02 08
Kinsey, S. W., Rt. 6, Box 603B, Sulphur Springs	09
Kovach, Frank C., 1805 40th St., Tampa	02 08
Lentz, G. T., Box 57, Plant City	02 08
Lockman, Moss T., Plant City	01 02 08
Longdon, J. R., Lithia	08
Mason, O. D., Box 1229, Plant City	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

HILLSBOROUGH COUNTY (Continued)

SAW TIMBER	Species
Palm Harbor Lumber Co., Box 206, Palm Harbor	02 08
Peddy, A. J., and Sons, Box 2627, Mulberry	02 08
Pixton, A. B., Riverview	02 08
Plant City Lumber Co. P. O. Box 1006, Plant City	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Riegel, D. F., Rt. 1, Box 26, Limona	08
Robbins Mfg. Co., Box 733, Tampa	02 08
Sasser, C. M., Riverview	02 08
Shirley Lumber Mill, 5501 37th St., Tampa	02 08
Sloan, Johnie, Lumber Co., Box 430, Plant City	02 08 10 19 22 30
Smith, J. O., Lithia	02 08
Smith, Olin, Rt. 4, Box 840, Tampa	02 08
Snowden, J. R., Parish	08
Story, J. S., Rt. 6, Box 949, Tampa	02 08 22
Transit Lumber Co., Box 451, Plant City	02 08
Tucker, J. W., Box 201, Seffner	02 08 10 22
Ward, S. R., Jr., West Vine St., Bartow	08
White Sawmill, Rt. 1, Box 23, Dover	08
Young, J. W., and Co., Inc. 2415 N. Albany, Tampa	20 22 30 35
Zoller Lumber Co., Bradenton	02 08
VENEER TIMBER	
Keysville Veneer Co., Keysville	02 08 10 18 19 20 22
Lockman, Moss T., Plant City	08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Tampa Box Co., Box 190, Tampa	30 35
DIMENSION BOLTS	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40
FENCE POSTS	
Micciche, Manuel, 3605 Florida Avenue, Tampa	02 09
FUEL WOOD	
Plant City Lumber Co. P. O. Box 1006, Plant City	08
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
PULPWOOD	
Bell, J. J., Brooksville	04 05
Crum, M. M., Lutz	08
SAWLOGS	
Burnett, F. E., Rt. 1, Wimauma	08

HILLSBOROUGH COUNTY (Continued)

SAWLOGS	Species
Dykes, D. L., Rt. 4, Box 262, Tampa	02 08
Emerick Lumber Co., Nebraska Avenue, Tampa	02 08
Hamilton, Ralph, Gibsonton	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Kovach, Frank C., 1805 40th St., Tampa	02 08
Longdon, J. R., Lithia	08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Palm Harbor Lumber Co., Box 206, Palm Harbor	02 08
Peddy, A. J., and Sons, Box 2627, Mulberry	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Robbins Mfg. Co., Box 733, Tampa	02 08
Tampa Crate House, Box 75, Produce	02
Zoller Lumber Co., Bradenton	02 08

SPANISH MOSS

Harrell, Sam, Rt. 1, Box 186, Lutz

Huett, K. D., Box 895, Plant City

Southern Moss Hair Co., Archer Rd., Gainesville

VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Tampa Box Co., Box 190, Tampa	30 35

INDEPENDENT LOGGERS

Hover, Richard, Tampa

Riley, C., North Tampa

HOLMES COUNTY

COOPERAGE TIMBER	
Bonifay Heading Co., Bonifay	08

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09

FENCE POST TIMBER	
Bishop, E. N., Argyle	09

HEWN TIE TIMBER	
Key, Wiley, Buyer The Koppers Co., Chipley	08 19 20

NAVAL STORES STUMPS	
Jett, C. J., Chipley	04 05
Lawhon, O. C., Buyer Newport Industries, Crestview	04 05
Newport Industries, Inc., Pensacola	04 05

PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, S. E., Munson	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Ward, R. M., Ponce de Leon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08

HOLMES COUNTY (Continued)

POLE TIMBER	Species
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, S. E., Munson	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Ward, R. M., Ponce de Leon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Barefoot, W. E., Rt. 2, Bonifay	08
Berry, G. M., Chipley	08
Berry, J. W., Chipley	08
Bishop, E. N., Argyle	08
Bishop, G. M., Argyle	08
Jackson, L. K., Bonifay	08
Ward Pulpwood Co., Cottondale	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Alger-Sullivan Lumber Co., Century	01 02 08 23 33
Brake, A. G., R. F. D., Ponce de Leon	02 08
Brown, Grady F., Rt. 1, Westville	02 08 19 23
Brown, W. C., Rt. 2, Bonifay	02 08
Cauley, H. O., De Funiak Springs	02 08 30
Curry, A. B. and I. M., Rt. 3, Bonifay	02 08 19 20 23 30 33
Dixon, L. A. and Balkom, H. Rt. 3, Graceville	02 08
Enfinger, Wallace, Ponce de Leon	02 08 23
Everitt Brothers Co., Chipley	02 08
Florida-Alabama Lumber Co., Samson, Alabama	05 06 20 22 23 30 33
Garner, V. E., Lumber Co., Caryville	01 02 08 10 19 20 22 23 30 33
Gilmore, L. L., Rt. 1, Westville	02 08
Griffith, F. E., Bonifay	02 08
Hall, E. L., Ponce de Leon	02 08
Hammock, A. L., Rt. 1, Caryville	01 02 08 19 20 23 30 33
Harrison, O. C., Caryville	02 08
Heath Trading Co., Leonia	02 08 10 19 20 23 30 33
Hodges and Arnold Lumber Co., Caryville	02 08
Hodges, H. C. 312 Baldwin Avenue, De Funiak Springs	02 08 33
Holland Lumber Co., Ponce de Leon	02 08
Jones, W. M., Rt. 1, Westville	02 08 19 20 23 30 33
Keith, G. T., Rt. 1, Caryville	02 08
Logan Lumber Co., Samson, Alabama	08
Mitchell, S. W., Rt. 3, Bonifay	02 08
Morris, D. L., De Funiak Springs	08
Pleas, Alex, Chipley	02 08 19 20 23 30
Retherford, W. B., Rt. 1, Caryville	02 08 19 20 23
Robinson, S. R., Westville	02 08
Roche, Sam, Vernon	01 08

HOLMES COUNTY (Continued)

	Species
SAW TIMBER	
Russell, Alva, Rt. 1, Westville	02 08 10 19 20 23 30 33
Scott and Murphy Lumber Co., Ponce de Leon	02 08 19 20 23 30 33
Sellers Mfg. Co., Box 125, Samson, Alabama	08
Smith, J. W., Bonifay	02 08 19 20 23 30 33
Southard, J. F., Lumber Co., Ponce de Leon	02 08 30 33 35
Speller, T. W., Sneads	08 19 20
Taylor, G. N., Rt. 3, Graceville	02 08 19 20 23 30
Turner and Hadaway Lumber Co. Box 14, Geneva, Alabama	08
Williams, J. M., Rt. 3, Bonifay	02 08 33
Wilson, Coley, Rt. 3, Bonifay	02 08 19 20 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Yarborough, C. P., Lumber Co. Rt. 1, Darlington	02 08 10 19 20 23 29 30 33
COOPERAGE BOLTS	
Bonifay Heading Co., Bonifay	08
FENCE POSTS	
Howell, Homer, Bonifay	08
HEWN TIES	
Key, Wiley, Buyer The Koppers Co., Chipley	08 19 20
NAVAL STORES GUM	
Boynton, W. L., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Peninsular-Lurton Co., Pensacola	04 05
PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Pleas, Alex, Chipley	08
St. Regis Paper Co., Cantonment	08
SAWLOGS	
Brown, W. C., Rt. 2, Bonifay	02 08
Casey Brothers Lumber Co., Slocomb, Alabama	02 04 05
Enfinger, Wallace, Ponce de Leon	02 08 23
Everitt Brothers Co., Chipley	02 08
Florida-Alabama Lumber Co., Samson, Alabama	04 05 20 22 23 30 33
Garner, V. E., Lumber Co., Caryville	01 02 08 19 20 23 30 33

HOLMES COUNTY (Continued)

	Species
SAWLOGS	
Hall, E. L., Ponce de Leon	02 08
Hammock, A. L., Rt. 1, Caryville	02 08 19 20 23 30 33
Harrison, O. C., Caryville	02 08
Hodges and Arnold Lumber Co., Caryville	02 08
Hodges, H. C. 312 Baldwin Avenue, De Funiak Springs	02 08 33
Holland Lumber Co., Ponce de Leon	02 08
Keith, G. T., Rt. 1, Caryville	02 08
Logan Lumber Co., Samson, Alabama	08
Pleas, Alex, Chipley	02 08 19 20 23 30
Robinson, S. R., Westville	02 08
Roche, Sam, Vernon	02 08
Sellers Mfg. Co., Box 125, Samson, Alabama	08
Skinner Veneer Works, Geneva, Alabama	08 19 20 22 29 33
Smith, J. W., Bonifay	02 08 19 20 23 30 33
Southard, J. F., Lumber Co., Ponce de Leon	02 08 30 33 35
Turner and Hadaway Lumber Co. Box 14, Geneva, Alabama	08
Williams, J. M., Rt. 3, Bonifay	02 08 33
Yarborough, C. P., Lumber Co. Rt. 1, Darlington	08 19 20 23 29 30 33
SHUTTLE BOLTS	
Capshaw, J. D., Marianna	17
VENEER BLOCKS AND LOGS	
Dailey and Pierce, De Funiak Springs	19 20 33
Skinner Veneer Works, Geneva, Alabama	08 19 20 22 29 33
INDEPENDENT LOGGERS	
Beardman, W. C., Ponce de Leon	
Broxton, Carl, Bonifay	
Dunn, C. L. and C. H., Rt. 1, Black, Alabama	
Dunn, H. L., Westville	
Hall, Lester, Ponce de Leon	
Harris, Olin, Bonifay	
Hayes, E. H., Bonifay	
Hogan, Robert, Chipley	
Hughey, Brack, Ponce de Leon	
Mayo, W. N., Ponce de Leon	
Norris, W. R., Ponce de Leon	
Slaughter, Hubert, Westville	
Worley, W. O., Bonifay	

INDIAN RIVER COUNTY

	Species
SAW TIMBER	
Goethe, Henry, Lumber Co., Titusville	02 08
Lloyd, J. L., Vero Beach	02 08
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Saint Lucie County Sawmill, Fort Pierce	04 05
Sullivan, W. L., Lumber Co., Stuart	02 08
Wilson Sawmill, Box 111, Fellsmere	02 04 05
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	

INDIAN RIVER COUNTY (Continued)

FUEL WOOD	Species
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
Goethe, Henry, Lumber Co., Titusville	02 08
Lloyd, J. L., Vero Beach	02 08
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Saint Lucie County Sawmill, Fort Pierce	04 05
Sullivan, W. L., Lumber Co., Stuart	02 08
Wilson Sawmill, Box 111, Fellsmere	02 04 05

JACKSON COUNTY

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09
FENCE POST TIMBER	
Post and Lumber Preserving Co., Quincy	08
HANDLE TIMBER	
Post and Lumber Preserving Co., Quincy	08
HEWN TIE TIMBER	
Key, Wiley, Buyer The Koppers Co., Chipley	08 19 20
Tharp, J. W., River Junction	08 12 13 21 22 23 35
NAVAL STORES STUMPS	
Lawhon, O. C., Buyer Newport Industries, Crestview	04 05
Newport Industries, Inc., Pensacola	04 05
PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Ward, R. M., Ponce de Leon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Post and Lumber Preserving Co., Quincy	08
Ward, R. M., Ponce de Leon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

JACKSON COUNTY (Continued)

PULPWOOD TIMBER	Species
Barber, Harvey, Cottondale	08
Barefoot, W. E., Rt. 2, Bonifay	08
Baxter, Otis, Bascom	08
Bennett, L. E., Sneads	08
Berry, G. M., Chipley	08
Berry, J. W., Chipley	08
Hallman, G. W., Youngstown	08
Hallman, H. C., Youngstown	08
Hinson, Glenn, Sneads	08
Hinson, J. P., Sneads	08
King, Fred W., Sneads	08
Pinelands Co., Blountstown	08
Robinson, C. E., Cypress	08
Robinson, V. C., Cypress	08
Spence, Wendel, Sneads	08
Stewart, Allen, Blountstown	08
Ward Pulpwood Co., Cottondale	08
William, Albert, R. F. D., Marianna	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Bailey, F. D., Chattahoochee	02 08 19 20 33 35
Brown, W. C., Rt. 2, Bonifay	02 08
Caraway, Charles, Rt. 4, Marianna	02 08
Dixon, L. A. and Balkom, H. Rt. 3, Graceville	02 08
Everitt Brothers Co., Chipley	02 08
Hall, R. L., Marianna	08
Hodges Lumber Co., Marianna	02 08 20
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Morris, E. H., Rt. 4, Chipley	02 08
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
Pelham, J. I., Rt. 1, Box 222B, Marianna	08 20 22
Pleas, Alex, Chipley	02 08 19 20 23 30
Retherford, W. B., Rt. 1, Caryville	02 08 19 20 23
Rhyne Co., Inc., Marianna	02 08
Roche, Sam, Vernon	01 08
Sellers Mfg. Co., Box 125, Samson, Alabama	08
Speller, J. W., Sneads	08 10 19 20 23 30 33 35
Speller, T. W., Sneads	08 19 20
Taylor, G. N., Rt. 3, Graceville	02 08 19 20 23 30
Williams, F. H., Alford	04 05
Williams, J. M., Rt. 3, Bonifay	02 08 33
Williams, Lloyd, Cottondale	02 08 19 20 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SHUTTLE TIMBER	
Ludlow, Wilson, Box 37B, River Junction	17 28

JACKSON COUNTY (Continued)

	Species
VENEER TIMBER	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 22 23 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
11-FOOT SHADE POSTS AND POST TIMBER	
Post and Lumber Preserving Co., Quincy	08
COOPERAGE BOLTS	
Marianna Heading Co., Marianna	08
FENCE POSTS	
Bowen, F. L., Box 132, Youngstown	02 04 09
McMullin, L. Earl, Marianna	08
Post and Lumber Preserving Co., Quincy	08
HEWN TIES	
Key, Wiley, Buyer The Koppers Co., Chipley	08 12 19 20
Post and Lumber Preserving Co., Quincy	08
Tharp, J. W., River Junction	08 12 13 21 22 23 35
NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Post and Lumber Preserving Co., Quincy	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Hinson, J. P., Sneads	08
Pinelands Co., Blountstown	08
Pleas, Alex, Chipley	08
St. Regis Paper Co., Cantonment	08
Stewart, Allen, Blountstown	08
SAWLOGS	
Bailey, F. D., Chattahoochee	02 08 19 20 33 35
Brown, W. C., Rt. 2, Bonifay	02 08
Casey Brothers Lumber Co., Slocomb, Alabama	02 04 05
Everitt Brothers Co., Chipley	02 08
Hall, C. L., Marianna	02 08
Lingard, J. B., Lumber Co., Blountstown	01 02 08
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Morris, E. H., Rt. 4, Chipley	02 08
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35

JACKSON COUNTY (Continued)

	Species
SAWLOGS	
Pleas, Alex, Chipley	02 08 19 20 23 30
Rhyne Co., Inc., Marianna	02 08
Roche, Sam, Vernon	02 08
Sellers Mfg. Co., Box 125, Samson, Alabama	08
Speller, J. W., Sneads	08 10 19 20 23 30 33 35
Speller, T. W., Sneads	08 19 20
Williams, F. H., Alford	04 05
Williams, J. M., Rt. 3, Bonifay	02 08 33
Williams, Lloyd, Cottondale	02 08 19 20 30 33
SHUTTLE BOLTS	
Capshaw, J. D., Marianna	17
Ludlow, Wilson, Box 37B, River Junction	17 28
Medgentra Ltd., U. S. A. Box 902, Tallahassee	17 28
VENEER BLOCKS AND LOGS	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 22 23 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35
INDEPENDENT LOGGERS	
King, Fred W., Sneads	

JEFFERSON COUNTY

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09
HANDLE TIMBER	
Gulf Hardwood Co., Perry	10 21
HEWN TIE TIMBER	
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 21 30
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Wethington, John A. Box 872, Tallahassee	08 19 20 23
NAVAL STORES STUMPS	
Newport Industries, Inc., Pensacola	04 05
PILING TIMBER	
Brock, J. H., 414 Shelby St., Live Oak	08
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Brock, J. H., 414 Shelby St., Live Oak	08
Burnett, C. L. Andrews and Burnett, Greenville	08
Escambia Treating Co., Box 1710, Pensacola	08
Gibson, J. W., Madison	08
Tippett, John and Norman, Lee	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

JEFFERSON COUNTY (Continued)

PULPWOOD TIMBER — Species

Armstrong, C. C., Madison 09

Burnett, C. L.
Andrews and Burnett, Greenville 08

Covington, Jack L., Quincy 08

Gibson, J. W., Madison 08

Gibson Paperwood Co., Inc.
Box 711, Tallahassee 08

Hart, Wm. S., Quincy 08

Howerton, T. M., Madison 08

Huxford, J. D., Perry 08

King, Fred W., Sneads 08

Middlebrooks, Rob
Centennial Bldg., Tallahassee 08

Reid, John R., Rt. 2, Greenville 08

Robertson, J. A., Rt. 3, Greenville 08

Taff, A. B., and Sons
Taff Bldg., Tallahassee 08

Tippett, John and Norman, Lee 08

Waller and Durham Co., Youngstown 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville 08

SAW TIMBER

Billingsley, Henry, Rt. 1, Lloyd 08 20 33

Cook, W. H., Rt. 2, Box 47, Tallahassee 08 19 20

Elberta Crate Co., Tallahassee 08 23 34

Fagan Lumber Co., Greenville 02 08 19 20 22 30 33

Gibson, T. C., Lumber Co., Madison 02 08

Hearn, Silas, Lumber Co., Monticello 02 08

Linton, M. S., Perry 02 08

McCall and Barineau Lumber Co.
Rt. 3, Box 117A, Tallahassee 08

Pinkerton, Ralph, Perry 02 08

Radney, Milton, Cherrylake 02 08

Smith, Bennie, Greenville 02 08

Studstill Lumber Co., Madison 02 08

Tomlinson Lumber Corp., Lloyd 08

Tyson, W. M., Lumber Co., Cairo, Georgia 08 30 33 35

Williams, Jim, Lee 02 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville 08

VENEER TIMBER

Elberta Crate Co., Tallahassee 23 34

Florida Veneer and Lumber Co., Monticello 06 19 20 22 29 30 33

Greenville Veneer and Crate Co., Greenville 08 19 20 22 30

Southern Plywoods, Greenville 19 20 22 30

HEWN TIES

Burnett, C. L.
Andrews and Burnett, Greenville 02 08 19 20 23 30

Gibson Paperwood Co., Inc.
Box 711, Tallahassee 08

Shelley, W. P., Jr. and Helen
P. O. Box 882, Tallahassee 08 19 20 23

Studstill Lumber Co., Madison 02

Wethington, John A., Box 872, Tallahassee 08 19 20 23

NAVAL STORES GUM

Boynton, W. J., and Son, Inc.
P. O. Box 932, Tallahassee 04 05

JEFFERSON COUNTY (Continued)

NAVAL STORES GUM — Species

Consolidated Naval Stores Co.
Box 418, Jacksonville 08

PILES

Escambia Treating Co., Box 1710, Pensacola 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville 08

POLES

Conger, E. C., Co., Madison 04 05

Escambia Treating Co., Box 1710, Pensacola 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville 08

PULPWOOD

Consolidated Naval Stores Co.
Box 418, Jacksonville 08

Gibson Paperwood Co., Inc.
Box 711, Tallahassee 08

Middlebrooks, Rob
Centennial Bldg., Tallahassee 08

Taff, A. B., and Sons
Taff Bldg., Tallahassee 08

Waller and Durham Co., Youngstown 08

SAWLOGS

Billingsley, Henry, Rt. 1, Lloyd 08 20 33

Chancy, T. H. and Williams, Myers, Wacissa 08

Cook, W. H., Rt. 2, Box 47, Tallahassee 08 19 20

Elberta Crate Co., Tallahassee 08 23 34

Fagan Lumber Co., Greenville 02 08

Gibson, T. C., Lumber Co., Madison 02 08

Hearn, Silas, Lumber Co., Monticello 08

Shealey, L. L., Lamont 02 08 19 20 33

Shealey, W. W., Monticello 08

Sheppard, I. W., and Son, Monticello 02 08

Studstill Lumber Co., Madison 02 08

Tomlinson Lumber Corp., Lloyd 08

Tyson, W. M., Lumber Co., Cairo, Georgia 08 30 33 35

Williams, Jim, Lee 02 08

SHUTTLE BOLTS

Medgentra Ltd., U. S. A.
Box 902, Tallahassee 17 28

VENEER BLOCKS AND LOGS

Elberta Crate Co., Tallahassee 23 34

Florida Veneer and Lumber Co., Monticello 06 19 20 22 29 30 33

INDEPENDENT LOGGERS

Barnes, Nathaniel, Thomasville, Georgia

Barrington, Leo, Lloyd

Bittle, A. W., Jr., Monticello

Boland, Jim, Wacissa

Brittle, B. T., Waukeenah

Dixon, R. V., Monticello

Edwards, Walter B., Lloyd

Gordon, J. S.
717 Lester St., Thomasville, Georgia

Hagan, Willie, Monticello

Hughes, W. A., Monticello

Hughes, W. H., Monticello

JEFFERSON COUNTY (Continued)

INDEPENDENT LOGGERS	Species
James, A. J., Merrillville, Georgia	
Jarvis, L. V., Monticello	
Jordan, Harvey, Wacissa	
Kelley, Alex, Wacissa	
Lewis, Dudley, Wacissa	
Lynn, Cleveland, Rt. 2, Lloyd	
Morris, William, Lamont	
Poppel, Dick, Wacissa	
Richards, Nelse, Monticello	
Shealey, L. L., Lamont	
Shealey, W. W., Monticello	
Taylor, Elijah, Merrillville, Georgia	
Walker, L. H., Waukeenah	
Wiggs, Millard, Rt. 2, Thomasville, Georgia	
Williams, Myers, Wacissa	
Woodson, Leon, Aucilla	

LAFAYETTE COUNTY

FENCE POST TIMBER	
Live Oak Creosoting Co., Live Oak	08

HANDLE TIMBER	
Gulf Hardwood Co., Perry	10 21

HEWN TIE TIMBER	
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 21 30
Dempsey and McAllister, Live Oak	02 08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Land, Harlow, Mayo	02 08 23
Sapp, Ronald, Rt. 1, Branford	02 08 23

PILING TIMBER	
Bevan, Norman M., Live Oak	08
Brock, J. H., 414 Shelby St., Live Oak	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Southern Forest Products Co., Inc., Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Boatwright, O'Neal, Mayo	04 05
Brock, J. H., 414 Shelby St., Live Oak	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Dempsey and McAllister, Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Fissil, Fred, Branford	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08

LAFAYETTE COUNTY (Continued)

POLE TIMBER	Species
Gibson, J. W., Madison	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Land, Drew, Live Oak	08
Nobles, Rufus, Live Oak	08
Sapp, Ronald, Rt. 1, Branford	08
Southern Forest Products Co., Inc., Live Oak	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Armstrong, C. C., Madison	09
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Boatwright, O'Neal, Mayo	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Dempsey and McAllister, Live Oak	08
Gibson, J. W., Madison	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Howerton, T. M., Madison	08
Huxford, J. D., Perry	08
Land, Harlow, Mayo	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Nobles, Rufus, Live Oak	08
Revels, Owen J., Rt. 1, Mayo	08
Sapp, Ronald, Rt. 1, Branford	08
Stephens, Tom, Mayo	08
Stephenson, Wilmer, Rt. 2, Branford	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Lake City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Barwick, W. F., Branford	08
Bevan, Verner, Live Oak	02 08 19 20 21 29 30
Boatwright, O'Neal, Mayo	08
Bolen, John R., Box 55, Mayo	08
Bradley, W. B., Branford	01 02 08 10 19 20 22 30
Brooks-Scanlon Lumber Co., Foley	02 08
Daniels, T. A., Branford	02 08
Goff Sawmill, Live Oak	01 02 08 19 20 30
Griffin, J. D., O'Brien	01 02 08 19 20 21 23 27 29 30
Jones, E. F., Rt. 2, Branford	08
Kellogg Lumber Co., Live Oak	02 08

LAFAYETTE COUNTY (Continued)

SAW TIMBER	Species
Kent, S. E., Branford	01 02 08
Linton, M. S., Perry	02 04 05
Perry Lumber Co., Perry	02 08
Pinkerton, Ralph, Perry	02 08
Singletary, J. S., Rt. 1, Mayo	08
Stevens, Alex, Lake City	08 23
Studstill Lumber Co., Madison	02 08
Warren and Hancock, Live Oak	01 02 08
Williams, Jim, Lee	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Consumers Lumber and Veneer Co., Apopka	04 05
Southern Plywoods, Greenville	19 20 22 30

FENCE POSTS	
Dunedin General Sales Co. 980 Douglas Avenue, Dunedin	08
Live Oak Creosoting Co., Live Oak	08

HEWN TIES	
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 23 30
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Studstill Lumber Co., Madison	08

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Dunedin General Sales Co. 980 Douglas Avenue, Dunedin	08
Escambia Treating Co., Box 1710, Pensacola	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Southern Forest Products Co., Inc., Live Oak	08
Weaver and Loughridge, Boyd	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Conger, E. C., Co., Madison	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Dunedin General Sales Co. 980 Douglas Avenue, Dunedin	08
Escambia Treating Co., Box 1710, Pensacola	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Southern Forest Products Co., Inc., Live Oak	08
Weaver and Loughridge, Boyd	08

LAFAYETTE COUNTY (Continued)

POLES	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08

SAWLOGS	
Brooks-Scanlon Lumber Co., Foley	02 08
Daniels, T. A., Branford	02 08
Gibson, T. C., Lumber Co., Madison	02 08
Kellogg Lumber Co., Live Oak	02 08
Studstill Lumber Co., Madison	02 08
Williams, Jim, Lee	02 08

SPANISH MOSS	
Vego Hair Co., Gainesville	

VENEER BLOCKS AND LOGS	
Maxwell Brothers, Jasper	06 19 20 22 30
Nants Mfg. Co., Live Oak	08 19 20

LAKE COUNTY

HEWN TIE TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
McCallum, J. F., Rt. 1, De Land	08

PILING TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Kemp, John, Mount Dora	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hartsfield, Donald R., 108 Anthony Rd., Ocala	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Adams Crate and Lumber Co., Polk City	02
Aikin, F. W., Webster	04 05
Cash and Carry Lumber Co., Lakeland	02 08
Cheetham, M. M., Mount Dora	02 04 05
Connell Lumber Co. Rt. 1, Box 75, Leesburg	04 05
Cummer Sons Cypress Co., Lacoochee	06 08 10 19 20 22 30 33

LAKE
LEE

LAKE COUNTY (Continued)

SAW TIMBER	Species
Dillard, S. Bluffton Lumber Co., Astor	02 08
Douglas, T. E., Weirsdale	08
Goethe, Henry, Lumber Co., Titusville	02 08
Grono, G. L., Box 535, Haines City	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Jarrell, Frank, Groveland	02 04 05
McCreary-Coleman, Inc. 1102 Center St., Eustis	04 05
McDonald, Paul, Sorrento	04 05
Miller, Drilling, and Supply Co. Box 417, Leesburg	04 05
Nielson Lumber Co., P. O. Box 195, Eustis	08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Porterfield, C. W., Box 114, Mascotte	02 04 05
Proctor and Armstrong Lumber Co. Box 322, De Land	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Richardson, H. S., General Delivery, Apopka	02 04005
Rock Springs Lumber Co., Box 432, Apopka	02 08
Stuney, F. E., Box 54, Groveland	02 04 05
Waling Lumber Co., Box 741, Leesburg	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Russ Crate Co., Coleman	04 05 19 20 22 35
Waling Crate Co., Box 741, Leesburg	08 19 20 35

CYPRESS SAPLINGS, CUT OR STANDING	
Littletree Co., Box 123, Winter Park	02

FENCE POSTS	
Littletree Co., Box 123, Winter Park	02

HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
McCallum, J. F., Rt. 1, De Land	02 08

NAVAL STORES GUM	
Newton Co., The, Box 410, Lake City	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08

LAKE COUNTY (Continued)

POLES	Species
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Bell, J. J., Brooksville	04 05
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
McCallum, J. F., Rt. 1, De Land	08

SAWLOGS	
Cummer Sons Cypress Co., Lacoochee	02 08 10 19 20 22 30 33
Douglas, T. E., Weirsdale	08
Goethe, Henry, Lumber Co., Titusville	02 08
Grono, G. L., Box 535, Haines City	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Parker Lumber Co., Box 144, Maitland	08
Proctor and Armstrong Lumber Co. Box 322, De Land	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Waling Lumber Co., Box 741, Leesburg	04 05

SPANISH MOSS	
Southern Moss Hair Co., Archer Rd., Gainesville	
Vego Hair Co., Gainesville	

VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Waling Crate Co., Box 741, Leesburg	08 19 20 35

LEE COUNTY

DISTILLATION TIMBER	
Cabot Carbon Co. Retort Chemical Division, Gainesville	09

FENCE POST TIMBER	
Carver, J. C., Bonita Springs	09

SAW TIMBER	
Fort Myers Builders Service, Inc. Box 229, Fort Myers	02 08
Harvard, W. T., Bonita Springs	02 08
Johnson, J. C., Box 290, Alva	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
O'Bannon, Paul, Box 104, La Belle	02 08
South Florida Lumber Co., Naples	02 08
Wigelsworth, J. R. 2700 Scott St., Fort Myers	02 08

VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09

LEE COUNTY (Continued)

	Species
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
Fort Myers Builders Service, Inc. Box 229, Fort Myers	02 08
Johnson, J. C., Box 290, Alva	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
O'Bannon, Paul, Box 104, La Belle	02 08
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

LEON COUNTY

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09
FENCE POST TIMBER	
Anderson, C. K., Rt. 5, Box 227, Tallahassee	09
HANDLE TIMBER	
Gulf Hardwood Co., Perry	10 21
HEWN TIE TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Wethington, John A., Box 872, Tallahassee	08 19 20 23
NAVAL STORES STUMPS	
Newport Industries, Inc., Pensacola	04 05
PILING TIMBER	
Brock, J. H., 414 Shelby St., Live Oak	08
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Brock, J. H., 414 Shelby St., Live Oak	08
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Covington, Jack L., Quincy	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goodman, Willie, Panama City	08
Hart, Wm. S., Quincy	08
King, Fred W., Sneads	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Peterson, Roosevelt, Midway	08

LEON COUNTY (Continued)

	Species
PULPWOOD TIMBER	
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Tinnell, Ephram, Midway	08
Waller and Durham Co., Youngstown	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Billingsley, Henry, Rt. 1, Lloyd	08 20 33
Cook, W. H., Rt. 2, Box 47, Tallahassee	08 19 20
Elberta Crate Co., Tallahassee	08 23 34
Hearn, Silas, Lumber Co., Monticello	02 08
Lewis, D. M., and Co., Belleair	08
McCall and Barineau Lumber Co. Rt. 3, Box 117A, Tallahassee	08
Miller, John L., Lumber Co., Hosford	02 08 19 30 33
Stoutamire, Jessie Star Route, Box 55, Tallahassee	02 08
Tomlinson Lumber Corp., Lloyd	08
Tyson, W. M., Lumber Co., Cairo, Georgia	08 30 33 35
Vause, Willie F., Star Route, Tallahassee	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Elberta Crate Co., Tallahassee	23 34
Florida Veneer and Lumber Co., Monticello	06 19 20 22 29 30 33
Southern Plywoods, Greenville	19 20 22 30
HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Wethington, John A. Box 872, Tallahassee	08 19 20 23
NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	05
PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	05
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Waller and Durham Co., Youngstown	08

LEON COUNTY (Continued)

SAWLOGS	Species
Billingsley, Henry, Rt. 1, Lloyd	08 20 33
Chancy, T. H. and Williams, Myers, Wacissa	08
Cox, W. H., Rt. , Box 47, Tallahassee	08 19 20
Elberta Crate Co., Tallahassee	08 23 34
Hannon Lumber Co., Tallahassee	02 08
Hearn, Silas, Lumber Co., Monticello	08
Lewis, D. M., and Co., Belleair	08
Miller, John L., Lumber Co., Hosford	02 08 19 30 33
Stoutamire, Jessie Star Route, Box 55, Tallahassee	02 08
Tomlinson Lumber Corp., Lloyd	08
Tyson, W. M., Lumber Co., Cairo, Georgia	08 30 33 35

SHUTTLE BOLTS	
Medgentra Ltd., U. S. A. Box 902, Tallahassee	17 28

VENEER BLOCKS AND LOGS	
Elberta Crate Co., Tallahassee	23 34
Florida Veneer and Lumber Co., Monticello	06 19 20 22 29 30 33

INDEPENDENT LOGGERS

Allen, Robert, Old St. Marks Rd., Tallahassee
Cotten, H. T., 717 Beard St., Tallahassee
Evans, J. C., 1414 N. Bruno St., Tallahassee
Gainey, H. E., Cairo, Georgia
Gibson Paperwood Co., Inc.
Box 711, Tallahassee
Grant, Paul, 502 N. Terrace St., Tallahassee
Hannon, Ross, Woodville
Hatcher, J. M., Rt. 2, Whigham, Georgia
Henderson, J. C., Tallahassee
Herold, J. V., Miccosukee
Lambert, W. C., Jr., Tallahassee
Long, J. R., Tallahassee
Middlebrooks, A. M., Tallahassee
Parker, Dan, Rt. 5, Tallahassee
Revels, Guy, Tallahassee
Richardson, Nelson, Wacissa
Riley, C. W., 104 S. Bruno St., Tallahassee
Rudd, Tramel O., Tallahassee
Shelley, W. P., Tallahassee
Shelley, W. P., Jr. and Helen
P. O. Box 882, Tallahassee
Slaughter, B. C., Tallahassee
Smith, T. L., Chaires
Spats, Harry, Old St. Augustine Rd., Tallahassee
Stoutamire, Allie, P. O. Box 1237, Tallahassee
Stoutamire, Glenn, General Delivery, Tallahassee
Upchurch, H. B., Tallahassee
Vause, J. L., 1130 Old Fort Drive, Tallahassee
Williams Eli, Rt. 2, Tallahassee
Williams, John, Tallahassee

LEVY COUNTY

DISTILLATION TIMBER	
Cabot Carbon Co. Retort Chemical Division, Gainesville	09

LEVY COUNTY (Continued)

HEWN TIE TIMBER	Species
Andrews, M. D., Chiefland	04 05
Cribbs, E. F., Morriston	08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hodge, Hinton, Old Town	02 08 23
Williams, T. L., Williston	08 19 20

MINE PROP TIMBER	
Lockman, Moss T., Plant City	02 08

PILING TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Lockman, Moss T., Plant City	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Andrews, M. D., Chiefland	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Lockman, Moss T., Plant City	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Adkins, M. F., Chiefland	08
Alvarez, Bill, Williston	08
Andrews, M. D., Chiefland	08
Cribbs, E. F., Morriston	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hartsfield, Donald R., 108 Anthony Rd., Ocala	08
Hemmingway, G. B., Chiefland	08
Hodge, Hinton, Old Town	08
Neal, B. L., Williston	08
Williams, T. L., Williston	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Adkins Mfg. Co., Gainesville	02 08 10 19 20 30 33 35
Allen, D. D., Inglis	04 05
Barnhill, B., Chiefland	02 04 05
Brice Lumber, Inc., Archer	08
Burns Lumber Co., Williston	08
Cummer Sons Cypress Co., Lacoochee	02 08 10 19 20 22 30 33
Drummond, L. W., Chiefland	02 04 05
Foerster, Robt. O., Lumber Co., Inc. Crystal River	01
Goethe, J. T., Dunnellon	02 08
Gore, Jaspar, Chiefland	04 05
Graham and Dauphin, Chiefland	04 05
Hogue, Paul, Otter Creek	02
Howe, J. L., Williston	04 05
Keen, N. J., and Sons, Bronson	02 04 05
Lockman, Moss T., Plant City	01 02 08
Mozo, M., Chiefland	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

LEVY COUNTY (Continued)

SAW TIMBER	Species
Renfro and Manuel, Otter Creek	02 04 05
Robbins Mfg. Co., Box 733, Tampa	02 08
Stevens, Alex, Lake City	08 23
Sullivan, R. O., Chiefland	04 05
Thompson, W. M., Crystal River	01
Tyson, A. J., Chiefland	04 05
Weeks, Mitchel, Buyer Cummer Lumber Co., Cross City	02 19 20 30
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Wooten, S. I., Chiefland	01 02 08

VENEER TIMBER	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

SAWLOGS	
Adkins Mfg. Co., Gainesville	02 08 10 19 20 30 33 35
Brice Lumber, Inc., Archer	08
Burns Lumber Co., Williston	08
Cummer Sons Cypress Co., Lacoochee	02 08 10 19 20 22 30 33
Drummond, L. W., Chiefland	02 04 05
Foerster, Robt. O., Lumber Co., Inc. Crystal River	01
Goethe, J. T., Dunnellon	02 08

LEVY COUNTY (Continued)

SAWLOGS	Species
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Robbins Mfg. Co., Box 733, Tampa	02 08

SPANISH MOSS	
Flemming, Harry, Hawthorn	
Southern Moss Hair Co., Archer Rd., Gainesville	
Vego Hair Co., Gainesville	

VENEER BLOCKS AND LOGS	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

INDEPENDENT LOGGERS
Williams, T. L., Williston

LIBERTY COUNTY

DISTILLATION TIMBER	
Boone, T. Foster, Tallahassee	04 05
Newport Industries, Inc., Pensacola	09
Southern Pine Extract Co., Blountstown	04 05

FENCE POST TIMBER	
Post and Lumber Preserving Co., Quincy	08

HANDLE TIMBER	
Post and Lumber Preserving Co., Quincy	08

HEWN TIE TIMBER	
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Tharp, J. W., River Junction	08 12 13 21 22 23 35
Wethington, John A. Box 872, Tallahassee	08 19 20 23

NAVAL STORES STUMPS	
Foster, H. E., Bristol	04 05 09
Newport Industries, Inc., Pensacola	04 05

PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Post and Lumber Preserving Co., Quincy	08
Roche, O. B., Blountstown	01
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Bartell, William, Blountstown	08
Covington, Jack L., Quincy	08
Cox, D. Monroe, Box 62, Blountstown	08
Coxwell, Alton, Blountstown	08

LIBERTY COUNTY (Continued)

PULPWOOD TIMBER	Species
Creel, C., Blountstown	08
Davis, Mace, Blountstown	08
Foster, H. E., Bristol	08
Goodman, Willie, Panama City	08
Hamilton, Malvin, Altha	08
Hart, Wm. C., Quincy	08
Hudgins, C. T., Blountstown	08
King, Fred W., Sneads	08
Long [illegible] L., Hosford	08
Larkin, W. G., Bristol	08
Lyle, R. H., Blountstown	08
Leonard, William C., Blountstown	08
Lockwood, Albert, Blountstown	08
Mason, Ray, Blountstown	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Peterson, Roosevelt, Midway	08
Pinelands Co., Blountstown	08
Sharred, Charles, Blountstown	08
Stewart, Allen, Blountstown	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Teat, H. Y., Blountstown	08
Teat, P. L., Blountstown	08
Tinnell, Ephram, Midway	08
Waller and Durham Co., Youngstown	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	Species
Bailey, F. D., Chattahoochee	02 08 19 20 33 35
Buoy, Z. O., Bristol	02 08
Coxwell, William, Blountstown	01 08 19 30 33
Davis, Forrest, Quincy	08
Deason, W. A., Bristol	01 02 08
Elberta Crate Co., Tallahassee	08 23 34
Ellison, Henry, Hosford	01 08 19 20 23 30 33
Green, John, Blountstown	01 02 08 19
Lindsey, Joe L., Sumatra	02 08
Lingard, J. B., Lumber Co., Blountstown	01 02 08
McCall and Barineau Lumber Co. Rt. 3, Box 117A, Tallahassee	08
McDaniel, W. D., Bristol	01 02 08 10 19 20 22 30 33 35
Miller, J. H., Hosford	08 19 20 30 33
Miller, John L., Lumber Co., Hosford	02 08 19 30 33
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
New Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
Rex Lumber Co., Bristol	02 08 23 33
Robertson, H. L. and T. A., Bristol	01 02 08
Roche, O. B., Blountstown	01
Rowan, E. J., Rt. A, Quincy	08 19 20 33 35

LIBERTY COUNTY (Continued)

SAW TIMBER	Species
St. Joe Lumber and Export Co., Port St. Joe	02 08 19
Sanders and Storey, Hosford	01 08 19 20 23 30 33
Shepard, George, Bristol	01 08 19 20 23 30 33
Stimrad Lumber Co., Apalachicola	02 08 10 21 33
Sykes, Buck, Hosford	01 08 19 20 23 30 33
Sykes, David, Hosford	01 08 19 20 23 30 33
Thomas Lumber and Mfg. Co., Quincy	08 33 35
Whitfield, Carlos, Blountstown	01 08 19 23 30 33
Woods, H. W., Quincy	08 19 20 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SHUTTLE TIMBER	
Ludlow, Wilson, Box 37B, River Junction	17 28
VENEER TIMBER	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 22 23 30 33 35
Florida Veneer and Lumber Co., Monticello	06 19 20 22 29 30 33
Elberta Crate Co., Tallahassee	23 34
Liberty County Mfg. Co., Hosford	19 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 10 15 19 20 22 29 30 33 35
11-FOOT SHADE POSTS AND POST TIMBER	
Post and Lumber Preserving Co., Quincy	08
FENCE POSTS	
Post and Lumber Preserving Co., Quincy	08
HEWN TIES	
Post and Lumber Preserving Co., Quincy	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Tharp, J. W., River Junction	08 12 13 21 22 23 35
Wethington, John A. Box 872, Tallahassee	08 19 20 23
NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Post and Lumber Preserving Co., Quincy	08
Roche, O. B., Blountstown	01
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

LIBERTY COUNTY (Continued)

PULPWOOD	Species
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Pinelands Co., Blountstown	08
St. Regis Paper Co., Cantonment	08
Stewart, Allen, Blountstown	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Waller and Durham Co., Youngstown	08
SAWLOGS	
Bailey, F. D., Chattahoochee	02 08 19 20 33 35
Davis, Forrest, Quincy	08
Deason, W. A., Bristol	01 02 08
Elberta Crate Co., Tallahassee	08 23 34
Lindsey, Joe L., Sumatra	02
Lingard, J. B., Lumber Co., Blountstown	01 02 08
McDaniel, W. D., Bristol	01 02 08 10 19 20 22 30 33 35
Miller, John L., Lumber Co., Hosford	02 08 19 30 33
Montgomery, C. H., Altha	01 02 08 10 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35
Rex Lumber Co., Bristol	02 08 23 33
Robertson, H. L. and T. A., Bristol	01 02008
Roche, O. B., Blountstown	01
Rowan, E. J., Rt. A, Quincy	08 19 20033 35
St. Joe Lumber and Export Co., Port St. Joe	02 08 19
Stimrad Lumber Co., Apalachicola	02 08 10 21 33
SHUTTLE BOLTS	
Ludlow, Wilson, Box 37B, River Junction	17 28
Medgentra Ltd., U. S. A. Box 902, Tallahassee	17 28
VENEER BLOCKS AND LOGS	
Coastal Variety Works, Blountstown	08 10 12 13 15 19 20 21 22 23 30 33 35
Florida Veneer and Lumber Co., Monticello	06 19 20 22 29 30 33
Elberta Crate Co., Tallahassee	23 34
Liberty County Mfg. Co., Hosford	19 20 30 33 35
Neal Lumber and Mfg. Co., Blountstown	01 02 08 15 19 20 22 29 30 33 35

INDEPENDENT LOGGERS

Collum, Archie L., Bristol
Dawson, Willie, Rock Bluff
Dona, Harry, Rock Bluff
Johnson, E. H., Bristol
Mercer, L. D., Bristol
Parker, D. E., Bristol
Parker, W. D., Bristol

MADISON COUNTY

HANDLE TIMBER	Species
Gulf Hardwood Co., Perry	10 21
HEWN TIE TIMBER	
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 21 30
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Dempsey and McAllister, Live Oak	02 08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 23
Wethington, John A. Box 872, Tallahassee	08 19 20 23
PILING TIMBER	
Bevan, Norman M., Live Oak	08
Brock, J. H., 414 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Andrews, M. D., Chiefland	04 05
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Brock, J. H., 414 Shelby St., Live Oak	08
Burnett, C. L. Andrews and Burnett, Greenville	08
Carter, S. I., P. O. Box 400, Live Oak	08
Dempsey and McAllister, Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Gibson, J. W., Madison	08
Goff Sawmill, Live Oak	08
Howerton, T. M., Madison	04 05
Land, Drew, Live Oak	08
Nobles, Rufus, Live Oak	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Armstrong, C. C., Madison	08
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Burnett, C. L. Andrews and Burnett, Greenville	08
Camp, J. C., Jasper	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Covington, Jack L., Quincy	08
Dempsey and McAllister, Live Oak	08
Gibson, J. W., Madison	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

MADISON COUNTY (Continued)

PULPWOOD TIMBER — Species

[illegible] 08
[illegible] 08
[illegible] 08
[illegible] 08
King, Fred W., Sneads
[illegible] 08
Centennial Bldg., Tallahassee
Nobles, Rufus, Live Oak
[illegible] 08
Reid, John R., Rt. 2, Greenville
[illegible] 08
[illegible] 08
Taff, A. B., and Sons
Taff Bldg., Tallahassee
[illegible] 08
Warren and Hancock, Lake City
[illegible] 08
Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville

SAW TIMBER

Bevan, Verner, Live Oak — 02 08 [illegible] 21 29 30
Brooks-Scanlon Lumber Co., Foley — 02 08
Camp, J. C., Jasper — 02 08
Cook, W. H., Rt. 2, Box 47, Tallahassee — 08 19 [illegible]
Cruce Sawmill Co., Greenville — 02 [illegible]
Daniels, T. A., Branford — 02 08
Elberta Crate Co., Tallahassee — [illegible] 23 34
Fagan Lumber Co., Greenville — 02 08 19 20 [illegible] 30 33
Gibson, T. C., Lumber Co., Madison — 02 08
Goff Sawmill, Live Oak — 01 02 08 19 [illegible] 30
Kellogg Lumber Co., Live Oak — 02 08
Madison Lumber Co., Madison — [illegible]
Pinkerton, Ralph, Perry — 02 08
Radney, Milton, Cherrylake — 02 08
Sapp, W. J., Jasper — 02 08
Sims, J. L., Pinetta — 02 08 19 20 [illegible]
Singletary, J. S., Rt. 1, Mayo — 08
Smith, Bennie, Greenville — 02 08
Studstill Lumber Co., Madison — 02 08
Tomlinson Lumber Corp., Lloyd — 08
Warren and Hancock, Live Oak — 01 02 08
Williams, Jim, Lee — 02 08
Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

VENEER TIMBER

Elberta Crate Co., Tallahassee — 23 34
Florida Veneer and Lumber Co., Monticello — 06 19 20 22 29 30 33
Greenville Veneer and Crate Co., Greenville — 08 19 20 22 30
Southern Plywoods, Greenville — 19 20 22 30
Suwannee Plywoods, Greenville — 19 20 22 30

HEWN TIES

Burnett, C. L.
Andrews and Burnett, Greenville — 02 08 19 20 23 30
Dixie Timber Co., Box 805, Jacksonville — 08
Gibson Paperwood Co., Inc.
Box 711, Tallahassee — 08

MADISON COUNTY (Continued)

HEWN TIES — Species

Hill, C. E., Jasper — 08
Shelley, W. P., Jr. and Helen
P. O. Box 882, Tallahassee — 08 19 20 23
Studstill Lumber Co., Madison — 02
Thigpen, L. A., Rt. 1, Greenville — 02 08 23 30
Wethington, John A.
Box 872, Tallahassee — 08 19 20 23

NAVAL STORES GUM

Boynton, W. J., and Son, Inc.
P. O. Box 932, Tallahassee — 04 05
Consolidated Naval Stores Co.
Box 418, Jacksonville — 08

PILES

Dixie Timber Co., Box 805, Jacksonville — 08
Escambia Treating Co., Box 1710, Pensacola — 08
Weaver and Loughridge, Boyd — 08
Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

POLES

Conger, E. C., Co., Madison — 04 05
Dixie Timber Co., Box 805, Jacksonville — 08
Escambia Treating Co., Box 1710, Pensacola — 08
Weaver and Loughridge, Boyd — 08
Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

PULPWOOD

Consolidated Naval Stores Co.
Box 418, Jacksonville — 08
Gibson Paperwood Co., Inc.
Box 711, Tallahassee — 08
Middlebrooks, Rob
Centennial Bldg., Tallahassee — 08
Taff, A. B., and Sons
Taff Bldg., Tallahassee — 08

SAWLOGS

Brooks-Scanlon Lumber Co., Foley — 02 08
Cook, W. H., Rt. 2, Box 47, Tallahassee — 08 19 20
Cruce Sawmill Co., Greenville — 02 08
Daniels, T. A., Branford — 02 08
Elberta Crate Co., Tallahassee — 08 23 34
Fagan Lumber Co., Greenville — 02 08
Gibson, T. C., Lumber Co., Madison — 02 08
Kellogg Lumber Co., Live Oak — 02 08
Madison Lumber Co., Madison — 02 08
Shealey, L. L., Lamont — 02 08 19 20 33
Sims, J. L., Pinetta — 02 08 19 20 30
Studstill Lumber Co., Madison — 02 08
Tomlinson Lumber Corp., Lloyd — 08
Williams, Jim, Lee — 02 08

SPANISH MOSS

Vego Hair Co., Gainesville

VENEER BLOCKS AND LOGS

Elberta Crate Co., Tallahassee — 23 34
Florida Veneer and Lumber Co., Monticello — 06 19 20 22 29 30 33

MADISON COUNTY (Continued)

VENEER BLOCKS AND LOGS	Species
Greenville Veneer and Crate Co., Greenville	08 19 20 22 30
Maxwell Brothers, Jasper	06 19 20 22 30
Southern Plywoods, Greenville	19 20 22 30
Suwannee Plywoods, Greenville	19 20 22 30

INDEPENDENT LOGGERS

Armstrong, C. C., Madison

Burnette, Lawton, Greenville

Reid, John R., Rt. 2, Greenville

Robertson, J. A., Rt. 3, Greenville

Robison, Steve, Greenville

Tippett, John and Norman, Lee

MANATEE COUNTY

DIMENSION TIMBER	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40

FUEL-WOOD TIMBER	
Red's Wood Yard 2205 5th Avenue, South, St. Petersburg	09

PULPWOOD TIMBER	
Kovach, Frank C., 1805 40th St., Tampa	02 08
Stanford, J. C., Riverview	08

SAW TIMBER	
Carter Lumber Co., Wimauma	02 08
Hamilton, Ralph, Gibsonton	02 08
Johnson Lumber Co., Box 309, Palmetto	02 08
Keene, Wilson J., 1816 Yukon Avenue, Tampa	02 08
Kovach, Frank C., 1805 40th St., Tampa	02 08
Miller, H. R., Samoset	08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Rayl, E., Oneco	05
Robbins Mfg. Co., Box 733, Tampa	02 08
Snowden, J. R., Parish	08
Zoller Lumber Co., Bradenton	02 08

VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

DIMENSION BOLTS	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40

FENCE POSTS	
Florida Fence Post Co., Inc., Ona	05

FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08

MANATEE COUNTY (Continued)

POLES	Species
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

SAWLOGS	
Hamilton, Ralph, Gibsonton	02 08
Kovach, Frank C., 1805 40th St., Tampa	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Rayl, E., Oneco	05
Robbins Mfg. Co., Box 733, Tampa	02 08
Zoller Lumber Co., Bradenton	02 08

SPANISH MOSS

Southern Moss Hair Co., Archer Rd., Gainesville

VENEER BLOCKS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

INDEPENDENT LOGGERS

Gainey, W., B. and H. Apts., Bradenton

Snowden, R., Wimauma

MARION COUNTY

DISTILLATION TIMBER	
Cabot Carbon Co. Retort Chemical Division, Gainesville	02

HEWN TIE TIMBER	
Cribbs, E. F., Morriston	08
Finley, W. M., 206 N. Sanchez St., Ocala	08 19 20
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Lance, C. M., 929 Wyoming St., Ocala	08 19 20
Williams, T. L., Williston	08 19 20

PILING TIMBER	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Alvarez, Bill, Williston	08
Barrett, E. R., Ocklawaha Avenue, Ocala	08
Bounds, W. L., Ocala	08
Cribbs, E. F., Morriston	08
Fulford, Woodrow, Ocala	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hartsfield, Donald R., 108 Anthony Rd., Ocala	08
Neal, B. L., Williston	08
Pitts, R. L., Dunnellon	08
Williams, T. L., Williston	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Adkins Mfg. Co., Gainesville	02 08 10 19 20 30 33 35
Burns Lumber Co., Williston	08

MARION COUNTY (Continued)

SAW TIMBER	Species
[illegible]	08
Carter Lumber Co., P. O. Box 626, Ocala	[illegible]
Cason, Harley, Buyer Ocala Lumber Sales Co. [illegible]	[illegible]
Cummer Sons Cypress Co., Lacoochee	[illegible] 08 [illegible] 20 22 30 33
[illegible]	08
Drummond, L. W., Chiefland	[illegible]
Fuque and Hale, Ocala	08
Goethe, J. T., Dunnellon	02 08
Hart and Williams Lumber Co. P. O. Box 3, Ocklawaha	[illegible]
Johntry, W. L., Johnson	02 04 05 10 19 20 33
Marion Lumber Mill, Rt. 4, Ocala	[illegible] 08 10
Newton, C. R. and Jaquett, Fort McCoy	[illegible] 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	[illegible] 10 18 19 20 22 23 30 33 35
O'Berry, C. F., Ocala	08
[illegible] Mfg. [illegible], Box [illegible], Tampa	02 08
Todd, R. H., Lumber Co., Ocala	02 08 [illegible]
Trotter Lumber Co., Ocala	08
Weeks, Mitchel, Buyer Cummer Lumber Co., Cross City	[illegible] 19 20 30
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]

VENEER TIMBER	
Franklin Lumber and Basket Co., Micanopy	[illegible] 19 20 30 [illegible]
Irvine Crate and Basket Co., Irvine	08 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 [illegible] 30 33 35
Ocala Mfg. Ice and Packing Co., Box 576, Ocala	[illegible]

HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	[illegible]
Newton Co., The, Box 410, Lake City	[illegible]

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	[illegible]
Miami Wood Treating Co. P. O. Box 623, Coral Gables	[illegible]
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08

MARION COUNTY (Continued)

PULPWOOD	Species
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Peck, E. W., Olive Court, Gainesville	08
Peck, P. W., Olive Court, Gainesville	08

SAWLOGS	
Adkins Mfg. Co., Gainesville	02 08 10 19 20 30 33 35
Burns Lumber Co., Williston	08
Cummer Sons Cypress Co., Lacoochee	02 08 10 19 20 22 30 33
Douglas, T. E., Weirsdale	08
Drummond, L. W., Chiefland	02 04 05
Fuque and Hale, Ocala	08
Goethe, J. T., Dunnellon	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Robbins Mfg. Co., Box 733, Tampa	02 08

SPANISH MOSS	
Flemming, Harry, Hawthorn	
Southern Moss Hair Co., Archer Rd., Gainesville	
Vego Hair Co., Gainesville	

VENEER BLOCKS AND LOGS	
Franklin Lumber and Basket Co., Micanopy	08 19 20 30 35
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Ocala Mfg. Ice and Packing Co., Box 576, Ocala	02 08 19 20

INDEPENDENT LOGGERS
Peterson, S. E., Dunnellon

MARTIN COUNTY

SAW TIMBER	
Fulton, E. M., Stuart	02 04 05
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Saint Lucie County Sawmill, Fort Pierce	04 05

CABBAGE PALMS
O. K. Fibre Brush Co., Inc., Benson Junction

FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

SAWLOGS	
Fulton, E. M., Stuart	02 04 05
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Saint Lucie County Sawmill, Fort Pierce	04 05

MONROE COUNTY

FUEL WOOD	Species
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

NASSAU COUNTY

HEWN TIE TIMBER	
Dinkins, Theodore, Folkston, Georgia	08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Zirkle, Roy, Hilliard	02 08 19 20
PILING TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Bray, Fred, Hilliard	02 08 19 20 22
Dinkins, Theodore, Folkston, Georgia	08
Dixie Timber Co., Box 805, Jacksonville	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Bell, J. Q., Callahan	08
Bray, Fred, Hilliard	08
Dinkins, Theodore, Folkston, Georgia	08
Dixie Timber Co., Box 805, Jacksonville	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Page, J. P., Callahan	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Adams, Tom, Box 17, Orange Park	08
Alderman, Howard, Hilliard	08
Austin, M. J., 221 Georgia St., Jacksonville	08
Bell, J. Q., Callahan	08
Bell, O. W., Callahan	08
Boyd, B. M., Bryceville	08
Braddock, G. C., Callahan	08
Brandies, John, Callahan	08
Bray, Fred, Hilliard	08
Crawford, W. A., Callahan	08
Crews, F. G., Hilliard	08
Crews, W. M., Bryceville	02 08
Davis, Joe, Hilliard	08
Dinkins, Theodore, Folkston, Georgia	08
Dyal, Bailey, Hilliard	02 08
Evans, John, Hilliard	08

NASSAU COUNTY (Continued)

PULPWOOD TIMBER	Species
Flood, W. H., Yulee	08
Geiger, Bart, Callahan	08
Geiger, F. S., Hilliard	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Haddock, Spencer, Hilliard	08
Haddock, W. A., Hilliard	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Higginbottom, L., Wesconnett	02 08
Howard, A. E., Hilliard	08
Howard, V. C., Hilliard	08
Johnson, Jack, Hilliard	08
Jones, A. A., Jr., Callahan	08
Jones, Carl, Yulee	08
Lewis, B. C., Hilliard	08
McIntosh, O., Hilliard	08
McNeill, S. P., Fernandina	08
Mullins, A. E., Hilliard	08
Musselwhite, Cecil, Callahan	08
Nelson, D. A., Hilliard	08
Page, J. P., Callahan	08
Richo, S. S., Yulee	08
Ryals, J. B., Callahan	08
Scott, E. B., Jr., O'Neil	08
Smith, E. B., Hilliard	08
Sykes, C. R., Hilliard	08
Vanzant, Oscar, Callahan	08
Waters, E. C., Callahan	08
Webber, A. H., Callahan	08
Wells, J. E., Hilliard	08
Williams Brothers West Beaver St., Jacksonville	08
Williamson Brothers, Beaver St., Jacksonville	08
Wise, Pete, Yulee	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Anthony and Hamilton Lumber Co. Rt. 2, Jacksonville	02 08
Blyler Brothers Lumber Co., Dinsmore	02 08
Broward Lumber Co., Rt. 2, Box 217, Jacksonville	02 08
Brown, E. M., Box 262, Macclenny	04 05
Cooper and Higgenbotham, Hilliard	02 08
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Dinkins, Theodore, Folkston, Georgia	08
Foshee Lumber Co. 2731 Hershell St., Jacksonville	02 08 19 20
Haddock, Lewis, Kings Ferry	02 08 19 20 22
Higginbotham, L. C. Rt. 3, Box 614C, Jacksonville	08
Higginbotham, Lewis, Kings Ferry	02 08
Jones, A. A., Callahan	02 08
Mercer, H. L., Rt. 1, Box 99, Dinsmore	08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Ogilvie, A. E., and Sons Rt. 3, Box 610, Jacksonville	08

NASSAU COUNTY (Continued)

	Species
SAW TIMBER	
[illegible], J. I., Callahan	02 08 19 20 22
Rankin Lumber Co. 598 Acosta St., Jacksonville	02 08
Sore[illegible]ey, R. B., Bryceville	02 08
Tompkins and Walters, Hilliard	02 08
[illegible] 2731 Hershell St., Jacksonville	02 08
[illegible] Eppinger and Russell Co. Rt. 4, Gainesville	
Zirkel-Henderson, Hilliard	[illegible]
VENEER TIMBER	
Highland Crate Cooperative	05 19 20 33
Jacksonville Box Co., Jacksonville	[illegible]
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 [illegible]
DISTILLATION WOOD	
Popwell, W. W., Dinsmore	04 05 09
FENCE POSTS	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]
[illegible]	
Bell, J. Q., Callahan	02 08 19 20
Bray, Fred, Hilliard	02 08 19 20 22
Crosby, M. E., Spring Glen	[illegible]
Dinkins, Theodore, Folkston, Georgia	[illegible]
Dixie Timber Co., Box 805, Jacksonville	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]
Hill, C. E., Jasper	[illegible]
Williamson Tie Co., Box 1527, Jacksonville	[illegible]
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	[illegible]
Jacksonville Processing Corp. Lane Avenue, Jacksonville	04 05
Newton Co., The, Box 410, Lake City	[illegible]
Reasor-Lewis Corp., Beaver St., Jacksonville	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	[illegible]
Dinkins, Theodore, Folkston, Georgia	[illegible]
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	[illegible]
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dinkins, Theodore, Folkston, Georgia	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

NASSAU COUNTY (Continued)

	Species
POLES	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Cook, Henry, Callahan	08
Dinkins, Theodore, Folkston, Georgia	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
SAWLOGS	
Anthony and Hamilton Lumber Co. Rt. 2, Jacksonville	02 08
Blyler Brothers Lumber Co., Dinsmore	02 08
Braddock, J. A., Dinsmore	02 08
Broward Lumber Co., Rt. 2, Box 217, Jacksonville	02 08
Cooper and Higgenbotham, Hilliard	02 08
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Dinkins, Theodore, Folkston, Georgia	08
Foshee Lumber Co. 2731 Hershell St., Jacksonville	02 08
Haddock, Lewis, Kings Ferry	02 08 19 20 22
Haddock, W. E., Hilliard	02 08
Higginbotham, Lewis, Kings Ferry	02 08
Marion-Horn Lumber Co. Edgewood and Adams, Jacksonville	02 08
Murry-Hill Lumber Co. Edgewood Avenue, Jacksonville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Ogilvie, A. E., and Sons Rt. 3, Box 610, Jacksonville	08
Page, J. P., Callahan	02 08
Rankin Lumber Co. 598 Acosta St., Jacksonville	02 08
Tompkins and Walters, Hilliard	02 08
Widdon-Hays Lumber Co. 2731 Hershell St., Jacksonville	02 08
Zirkle, Roy, Hilliard	02 08
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Highland Crate Cooperative Box 4068, Jacksonville	05 19 20 33
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
NAVAL STORES GUM SCRAPINGS	
Popwell, W. W., Dinsmore	
INDEPENDENT LOGGERS	
Bell, J. Q., Callahan	
Boyd, B. M., Bryceville	
Braddock, C. W., Callahan	
Crews, W. M., Bryceville	
Fender, A. F., Callahan	
G. and S. Logging Co., Jacksonville	
Shaffer, Frank, Callahan	

OKALOOSA COUNTY

DISTILLATION TIMBER	Species
Newport Industries, Inc., Pensacola	09
FENCE POST TIMBER	
Carroll, Charles H., Rt. 5, Box 446, Pensacola	01 02 09
NAVAL STORES STUMPS	
Cadenhead, I. P., Rt. 1, Crestview	04 05
Cotton, E. J., Florala, Alabama	04 05
Johns, Jack, Holt	04 05
Lawhon, O. C., Buyer Newport Industries, Crestview	04 05
Newport Industries, Inc., Pensacola	04 05
PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, Earnest, Brewton, Alabama	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, Dewey, Rt. 1, Milton	04 05
Hardy, E. H., Rt. 1, Milton	04 05
Hardy, Frank, Rt. 2, Milton	08
Hardy, S. E., Munson	08
Jackson, Ray, Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Nichols, John, Baker	04 05
Nichols, John, Rt. 1, Milton	04 05
Pensacola Creosoting Co., Pensacola	08
Stubbs, V. D., Rt. 3, Milton	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Clary, Glendel G., Laurel Hill	04 05
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, Earnest, Brewton, Alabama	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, Dewey, Rt. 1, Milton	04 05
Hardy, E. H., Rt. 1, Milton	04 05
Hardy, Frank, Rt. 2, Milton	08
Hardy, S. E., Munson	08
Jackson, Ray, Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Miller, T. R., Mill Co., Brewton, Alabama	08
Nichols, John, Baker	04 05
Nichols, John, Rt. 1, Milton	04 05
Pensacola Creosoting Co., Pensacola	08
Rogers, T. E., Rt. 1, Box 285, Laurel Hill	04 05 23
Stubbs, V. D., Rt. 3, Milton	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Bishop, G. M., Argyle	08
Carver, W. C., Rt. 1, Crestview	08
Clary, Glendel G., Laurel Hill	08
Douglas, W. D., Crestview	08
Estes Timber Co., Cantonment	08
Layman, T. D., De Funiak Springs	04 05
Morris, Ben, De Funiak Springs	08

OKALOOSA COUNTY (Continued)

PULPWOOD TIMBER	Species
Rogers, T. E., Rt. 1, Box 285, Laurel Hill	05 06
Stokes, J. C., Laurel Hill	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Abbott Lumber Mfg. Co., Box 1182, Pensacola	08 20 23
Alger-Sullivan Lumber Co., Century	01 02 08 23 33
Barnhill, Hub, Crestview	08 19 20 23 33
Carver, W. C., Rt. 1, Crestview	08 19 20 23
Chessher, W. A., Rt. 1, Laurel Hill	04 05 23
Cook, E. N., Rt. 1, Falco, Alabama	08 33
Cook, I. G., Lumber Co. Rt. 1, Brewton, Alabama	04 05 20 23 30 33
Daniels, Eli, Rt. 3, Baker	08
Hodges, H. C. 312 Baldwin Avenue, De Funiak Springs	02 08 33
Kennedy, B. H., Rt. 1, Box 18A, Crestview	08 23
Miller, T. R., Mill Co., Brewton, Alabama	02 08
Mills, J. R., Niceville	08
Mitchell, Lewis, Rt. 2, Laurel Hill	08 12 18 23
Morris, D. L., De Funiak Springs	08
Roche, Sam, Vernon	01 08
Rogers, T. E., Rt. 1, Box 285, Laurel Hill	05 06
Santa Rosa Lumber Co., Milton	08
Stokes, J. C., Laurel Hill	05 06
Stubbs, V. D., Rt. 3, Milton	08 23 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Jackson Veneer Co., Laurel Hill	19 20 33
Miller, T. R., Mill Co., Brewton, Alabama	19 20 22 30 33
EXCELSIOR WOOD AND TIMBER	
Pensacola Excelsior Co. P. O. Box 135, Pensacola	08
COOPERAGE BOLTS	
Pensacola Excelsior Co. P. O. Box 135, Pensacola	08
NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Peninsular-Lurton Co., Pensacola	04 05
PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Miller, T. R., Mill Co., Brewton, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

OKALOOSA
OKEECHOBEE
ORANGE

OKALOOSA COUNTY (Continued)

PULPWOOD	Species
Consolidated Naval Stores Co. [illegible]	08
St. Regis Paper Co., Cantonment	08
SAWLOGS	
Abbott Lumber Mfg. Co., Box 1182, Pensacola	08 20 23
Barnhill, Hub, Crestview	08 19 20 23 33
Cook, E. N., Rt. 1, Falco, Alabama	08 33
Hodges, H. C. [illegible]	02 08 33
Kennedy, B. H., Rt. 1, Box 18A, Crestview	08 33
Miller, T. R., Mill Co., Brewton, Alabama	02 08
Roche, Sam, Vernon	02 08
Santa Rosa Lumber Co., Milton	08
VENEER BLOCKS AND LOGS	
Dailey and Pierce, De Funiak Springs	19 20 33
Miller, T. R., Mill Co., Brewton, Alabama	19 20 22 30 33

OKEECHOBEE COUNTY

SAW TIMBER	
Boree, H., Box 392, Okeechobee	08
Fulton, E. M., Stuart	02 04 05
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Rowell, L. L., Okeechobee	08
Saint Lucie County Sawmill, Fort Pierce	04 05
VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
Fulton, E. M., Stuart	02 04 05
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Saint Lucie County Sawmill, Fort Pierce	04 05
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

ORANGE COUNTY

HEWN TIE TIMBER	Species
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
PILING TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Kemp, John, Mount Dora	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hartsfield, Donald R., 108 Anthony Rd., Ocala	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Cash and Carry Lumber Co., Lakeland	02 08
Cheetham, M. M., Mount Dora	02 04 05
Foster, G. M., and Son Rt. 5, Box 576A, Orlando	02 08
Gerard, Joe, Box 244, Longwood	08
Goethe, Henry, Lumber Co., Titusville	02 08
Goodall, W. N., P. O. Box 106, Longwood	08
Grono, G. L., Box 535, Haines City	02 08
Harell, H. O. and Partin, D., Rt. 4, Orlando	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
McDonald, Paul, Sorrento	04 05
Mock, L. C., General Delivery, Winter Park	08
Morgan, Floyd and Heck, Vernon V. Rt. 4, Box 572A, Orlando	02 04 05 10 19 20
Morrison, E., General Delivery, Winter Park	02 04 05
Murry, Onez, Rt. 5, Box 587, Orlando	02 04 05
Newton, John F., Rural Rt. 4, Orlando	04 05 23 27
Nielson Lumber Co., P. O. Box 195, Eustis	08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Orangebelt Lumber Co., Kissimmee	02 08
Osceola Lumber Co., Box 487, Kissimmee	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Richardson, H. S., General Delivery, Apopka	02 04 05
Rock Springs Lumber Co., Box 432, Apopka	02 08
Sphaler, O. H., Box 116, Taft	02 08
States, J. M. and Partin, F. Rt. 4, Box 370C, Orlando	02 08
Stone, Jewell, Box 132, Lockhart	08
Tuten, Chas. R., 730 Citrus Avenue, Orlando	02 08
Wilson, Elton, Rt. 2, Box 45E, Orlando	02 04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Consumers Lumber and Veneer Co., Apopka	04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

ORANGE COUNTY (Continued)

	Species
CYPRESS SAPLINGS, CUT OR STANDING	
Littletree Co., Box 123, Winter Park	02
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
FENCE POSTS	
Littletree Co., Box 123, Winter Park	02
HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
NAVAL STORES GUM	
Newton Co., The, Box 410, Lake City	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
SAWLOGS	
Flowers, W. T., Rt. 4, Orlando	02 08
Foster, G. M., and Son, Rt. 5, Box 576A, Orlando	02 08
Goethe, Henry, Lumber Co., Titusville	02 08
Grono, G. L., Box 535, Haines City	02 08
Harell, H. O. and Partin, D., Rt. 4, Orlando	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Morgan, Floyd and Heck, Vernon V. Rt. 4, Box 572A, Orlando	02 04 05 10 19 20
Murry, Onez, Rt. 5, Box 587, Orlando	08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Orangebelt Lumber Co., Kissimmee	02 08
Osceola Lumber Co., Box 487, Kissimmee	02 08
Parker Lumber Co., Box 144, Maitland	08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Tallman, H. G., General Delivery, Apopka	02 08
SPANISH MOSS	
Southern Moss Hair Co., Archer Rd., Gainesville	
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

OSCEOLA COUNTY

	Species
MINE PROP TIMBER	
Lockman, Moss T., Plant City	02 08
PILING TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
POLE TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
SAW TIMBER	
Capps Lumber Co., Lake Wales	08
Cash and Carry Lumber Co., Lakeland	02 08
Drummond Brothers, St. Cloud	08
Funk Lumber Mills, Box 869, Kissimmee	08
Goethe, Henry, Lumber Co., Titusville	02 08
Grono, G. L., Box 535, Haines City	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Lockman, Moss T., Plant City	01 02 08
Martin Lumber Co., Indian Town	02 04 05
Mickler, M. T., and Son, Inc., Kissimmee	02
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Orangebelt Lumber Co., Kissimmee	02 08
Osceola Lumber Co., Box 487, Kissimmee	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Stembridge and Son Lumber Co., Lake Wales	08
Townsend Lumber Co., Lake Wales	02 08 19 20 22
VENEER TIMBER	
Consumers Lumber and Veneer Co., Apopka	04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
CYPRESS SAPLINGS, CUT OR STANDING	
Futch Brothers Furniture Co. Box 701, Melbourne	02
Littletree Co., Box 123, Winter Park	02
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
DIMENSION BOLTS	
Bovis Crate Mill, Bass St., Kissimmee	02 08
FENCE POSTS	
Littletree Co., Box 123, Winter Park	02
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	08
HEWN TIES	
Hill, C. E., Jasper	08
NAVAL STORES GUM	
Newton Co., The, Box 410, Lake City	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

OSCEOLA
PALM BEACH
PASCO

OSCEOLA COUNTY (Continued)

POLES	Species
Carr Creosoting Co. Box 101, Little River Station, Miami	02
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
PILING	
Stevens, L., 1st Federal Bldg., Kissimmee	04 05
SAWLOGS	
Drummond Brothers, St. Cloud	08
Funk Lumber Mills, Box 869, Kissimmee	08
Goethe, Henry, Lumber Co., Titusville	02 08
Grono, G. L., Box 535, Haines City	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Martin Lumber Co., Indian Town	02 04 05
Mickler, M. T., and Son, Inc., Kissimmee	02
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 27 33 35
Orangebelt Lumber Co., Kissimmee	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Stembridge and Son Lumber Co., Lake Wales	08
Townsend Lumber Co., Lake Wales	02 08 19 20 22
Truitt Lumber and Supply Co., Auburndale	02 04 05
SPANISH MOSS	
Southern Moss Hair Co., Archer Rd., Gainesville	
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

PALM BEACH COUNTY

FENCE POST TIMBER	
Mitchell, Will, Loxahatchee	09
Spooner, Ed, Pahokee	09
PILING TIMBER	
Mitchell, Will, Loxahatchee	09
Morris, J. M., Belle Glade	09
Spooner, Ed, Pahokee	09
SAW TIMBER	
East Coast Land and Cattle Co. 718 Comeau Bldg., West Palm Beach	02 05
Fulton, E. M., Stuart	02 04 05
Martin Lumber Co., Indian Town	02 04 05
Murray Lumber Co., Rt. 1, Box 532, Lake Worth	02 05
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08

PALM BEACH COUNTY (Continued)

POLES	Species
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
East Coast Land and Cattle Co. 718 Comeau Bldg., West Palm Beach	02 05
Fulton, E. M., Stuart	02 04 05
Martin Lumber Co., Indian Town	02 04 05
Murray Lumber Co., Rt. 1, Box 532, Lake Worth	02 05

PASCO COUNTY

DIMENSION TIMBER	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40
Harris, Gus, Lutz	02
FENCE POST TIMBER	
Lockman, Moss T., Plant City	02 08
Micciche, Manuel, 3605 Florida Avenue, Tampa	02 09
FUEL-WOOD TIMBER	
Red's Wood Yard 2205 5th Avenue, South, St. Petersburg	09
HEWN TIE TIMBER	
Lockman, Moss T., Plant City	08
MINE PROP TIMBER	
Lockman, Moss T., Plant City	02 08
PILING TIMBER	
Adkinson, A. D., Zephyrhills	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Strickland, D. C., Zephyrhills	08
Wilson, E., Plant City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Adkinson, A. D., Zephyrhills	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Strickland, D. C., Zephyrhills	08
Wilson, E., Plant City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Allpress, Leon S., Elfers	08
Baxter, W. M., 5822 E. Columbus Drive, Tampa	08
Crum, M. M., Lutz	08
Hope, W. Harry, 5908 Branch Avenue, Tampa	08
Jable, E., 3507 34th Avenue, Tampa	08
Kovach, Frank C., 1805 40th St., Tampa	02 08
Lockman, Moss T., Plant City	08
Montgomery, H. J., Rt. 2, Box 783, Tampa	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Armenia Avenue Lumber Co., Rt. 7, Box 343, Tampa	02 08

PASCO COUNTY (Continued)

SAW TIMBER	Species
Asbel, P. L., Loyce	02 08
Baldree, A. P., Ehren	02 08
Bell Lumber Co., Box 151, Brooksville	04 05
Blake, Isham, Sr., Elfers	02 08
Blake Lumber Co., 9202 Nebraska Avenue, Tampa	02 08
Bono Lumber Co., Brooksville	04 05
Cash and Carry Lumber Co., Lakeland	02 08
Cummer Sons Cypress Co., Lacoochee	02 08 10 19 20 22 30 33
Daniel Lumber Co. 216 Eagle St., Tarpon Springs	02 08
Durrence, V. G. and Davis, Wilson Box 152, Gibsonton	02
Emerick Lumber Co., Nebraska Avenue, Tampa	02 08
Ferguson, L. S., Box 385, Zephyrhills	02 08
Graves, D. C. and Ekker, R. M., Rt. 1, Wimauma	08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Hill, W. B., Zephyrhills	02 08
Jones, J. A., and Sons Lumber Co. Box 145, San Antonio	02 08
Keene, Wilson J., 1816 Yukon Avenue, Tampa	02 08
Kovach, Frank C., 1805 40th St., Tampa	02 08
Lacey, G. L., New Port Richey	04 05
Lockman, Moss T., Plant City	01 02 08
McKindree, Clyde, Rt. 2, Box 76, Dade City	02 08
Nocatee-Manatee Crate Co Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Palm Harbor Lumber Co., Box 206, Palm Harbor	02 08
Plant City Lumber Co. P. O. Box 1006, Plant City	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Robbins Mfg. Co., Box 733, Tampa	02 08
Shirley Lumber Mill, 5501 37th St., Tampa	02 08
Sloan, Johnie, Lumber Co., Box 430, Plant City	02 08 10 19 22 30
Story, J. S., Rt. 6, Box 949, Tampa	02 08 22
Transit Lumber Co., Box 451, Plant City	02 08
Underwood, R. W., and Sons Box 264, Brooksville	02 08 10 18 23
Uzzle, Don, Box 154, New Port Richey	08
Whatley, C. J., Rt. 2, Brooksville	02 04 05 18 20 21 23
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Young, J. W., and Co., Inc. 2415 N. Albany, Tampa	20 22 30 35

VENEER TIMBER	
Lockman, Moss T., Plant City	08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Tampa Box Co., Box 190, Tampa	30 35

DIMENSION BOLTS	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40

FENCE POSTS	
Micciche, Manuel, 3605 Florida Avenue, Tampa	02 09

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08

PASCO COUNTY (Continued)

PILES	Species
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Bell, J. J., Brooksville	04 05
Crum, M. M., Lutz	08

SAWLOGS	
Asbel, P. L., Loyce	02 08
Baldree, A. P., Ehren	02 08
Bell Lumber Co., Box 151, Brooksville	04 05
Bono Lumber Co., Brooksville	04 05
Cummer Sons Cypress Co., Lacoochee	02 08 10 19 20 22 30 33
Emerick Lumber Co., Nebraska Avenue, Tampa	02 08
Ferguson, L. S., Box 385, Zephyrhills	02 08
Greenfield Lumber Co., Brooksville	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Jones, J. A., and Sons Lumber Co. Box 145, San Antonio	02 08
Kovach, Frank C., 1805 40th St., Tampa	02 08
McKindree, Clyde, Rt. 2, Box 76, Dade City	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Palm Harbor Lumber Co., Box 206, Palm Harbor	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Robbins Mfg. Co., Box 733, Tampa	02 08
Tampa Crate House, Box 75, Produce	02
Underwood, R. W., and Sons Box 264, Brooksville	02 04 05
Whatley, C. J., Rt. 2, Brooksville	04 05 18 20 21 23

SPANISH MOSS
Harrell, Sam, Rt. 1, Box 186, Lutz
Southern Moss Hair Co., Archer Rd., Gainesville
Vego Hair Co., Gainesville

VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Tampa Box Co., Box 190, Tampa	30 35

INDEPENDENT LOGGERS
Allpress, Leon S., Elfers
Asbel, A. J., 5A Junction, Pasco
Asbel, H., 5A Junction, Pasco
Boyett, C. B., Zephyrhills

PASCO
PINELLAS
POLK

PASCO COUNTY (Continued)

INDEPENDENT LOGGERS	Species
Boyett, L. J., Zephyrhills	
Boyett, W. C., Zephyrhills	
Kersey, E. E., Elfers	
Roschell, C., Zephyrhills	

PINELLAS COUNTY

DIMENSION TIMBER	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40
FUEL-WOOD TIMBER	
Red's Wood Yard 2205 5th Avenue, South, St. Petersburg	09
PILING TIMBER	
Armston, W. H., and Co., 357 Scotland, Dunedin	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
POLE TIMBER	
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
PULPWOOD TIMBER	
Allpress, Leon S., Elfers	08
Baxter, W. M., 5822 E. Columbus Drive, Tampa	08
Crum, M. M., Lutz	08
Hope, W. Harry, 5908 Branch Avenue, Tampa	08
Jable, E., 3507 34th Avenue, Tampa	08
Montgomery, H. J., Rt. 2, Box 783, Tampa	08
SAW TIMBER	
Armenia Avenue Lumber Co. Rt. 7, Box 343, Tampa	02 08
Blake Lumber Co., 9202 Nebraska Avenue, Tampa	02 08
Daniel Lumber Co. 216 Eagle St., Tarpon Springs	02 08
Emerick Lumber Co., Nebraska Avenue, Tampa	02 08
Hill, W. B., Zephyrhills	02 08
Keene, Wilson J., 1816 Yukon Avenue, Tampa	02 08
Lockman, Moss T., Plant City	01 02 08
Palm Harbor Lumber Co., Box 206, Palm Harbor	02 08
Robbins Mfg. Co., Box 733, Tampa	02 08
Sweat, L. S., Rt. 1, Box 118, Clearwater	02 08 19 20
Todd and McBride 718 14th Avenue, South, St. Petersburg	08
FENCE POSTS	
Dunedin General Sales Co. 980 Douglas Avenue, Dunedin	08
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dunedin General Sales Co. 980 Douglas Avenue, Dunedin	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08

PINELLAS COUNTY (Continued)

POLES	Species
Dunedin General Sales Co. 980 Douglas Avenue, Dunedin	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
PULPWOOD	
Crum, M. M., Lutz	08
SAWLOGS	
Palm Harbor Lumber Co., Box 206, Palm Harbor	02 08
Robbins Mfg. Co., Box 733, Tampa	02 08
SPANISH MOSS	
Harrell, Sam, Rt. 1, Box 186, Lutz	
Southern Moss Hair Co., Archer Rd., Gainesville	
INDEPENDENT LOGGERS	
Huffman, E. C., Tarpon Springs	
Mountain, A. E., Crystal Beach	

POLK COUNTY

DIMENSION TIMBER	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40
Harris, Gus, Lutz	02
Keysville Veneer Co., Keysville	02 08 10 18 19 20 22 30
FENCE POST TIMBER	
Lockman, Moss T., Plant City	02 08
HEWN TIE TIMBER	
Lockman, Moss T., Plant City	08
MINE PROP TIMBER	
Lockman, Moss T., Plant City	02 08
PILING TIMBER	
Adkinson, A. D., Zephyrhills	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Strickland, D. C., Zephyrhills	08
POLE TIMBER	
Adkinson, A. D., Zephyrhills	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Lockman, Moss T., Plant City	02 08
Strickland, D. C., Zephyrhills	08
PULPWOOD TIMBER	
Baxter, W. M., 5822 E. Columbus Drive, Tampa	08
Crum, M. M., Lutz	08
Jable, E., 3507 34th Avenue, Tampa	08
Lockman, Moss T., Plant City	08
Smith Lumber and Pulpwood Co. P. O. Box 910, Lake Alfred	08
SAW TIMBER	
Adams Crate and Lumber Co., Polk City	02
Blake Lumber Co., 9202 Nebraska Avenue, Tampa	02 08
Branch, G. W., and Sons, Rt. 1, Frostproof	08
Capps Lumber Co., Lake Wales	08
Cash and Carry Lumber Co., Lakeland	02 08

POLK COUNTY (Continued)

SAW TIMBER	Species
Florida Fence Post Co., Inc., Ona	05
Griffin, J. I., P. O. Box 1508, Plant City	02 08
Grono, G. L., Box 535, Haines City	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Jarrell, Frank, Groveland	02 04 05
Johnson, C. E., Durant	08
Locke, W. H., Davenport	02 08
Lockman, Moss T., Plant City	01 02 08
Mize, G. C., Sr., 212 Pearl St., Auburndale	02
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Peddy, A. J., and Sons, Box 2627, Mulberry	02 08
Plant City Lumber Co P. O. Box 1006, Plant City	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Robbins Mfg. Co., Box 733, Tampa	02 08
Shirley Lumber Mill, 5501 37th St., Tampa	02 08
Sloan, Johnie, Lumber Co., Box 430, Plant City	02 08 10 19 22 30
Smith, J. O., Lithia	02 08
Smith Lumber and Pulpwood Co. P. O. Box 910, Lake Alfred	02 08
Stembridge and Son Lumber Co., Lake Wales	08
Thomas Lumber Co., Zolfo Springs	04 05
Three Gee Dee Co., Pembroke	08
Townsend Lumber Co., Lake Wales	02 08 19 20 22
Transit Lumber Co., Box 451, Plant City	02 08
Ward, S. R., Jr., West Vine St., Bartow	08
Webb Lumber Co., Auburndale	02 08

VENEER TIMBER	
Keysville Veneer Co., Keysville	02 08 10 18 19 20 22
Lockman, Moss T., Plant City	08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

DIMENSION BOLTS	
Florida Orange Wood Corp. 1527 Lasalle St., Tampa	40

FENCE POSTS	
Turner, E. J., 1234 Orange Avenue, Winter Park	02

FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09

HEWN TIES	
Florida Fence Post Co., Inc., Ona	05
Hill, C. E., Jasper	08

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08

POLK COUNTY (Continued)

POLES	Species
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Turner, E. J., 1234 Orange Avenue, Winter Park	02

PULPWOOD	
Bell, J. J., Brooksville	04 05
Crum, M. M., Lutz	08
Ferguson, W. J., Arcadia	05
Smith Lumber and Pulpwood Co. P. O. Box 910, Lake Alfred	05

SAWLOGS	
Florida Fence Post Co., Inc., Ona	05
Grono, G. L., Box 535, Haines City	02 08
Harvard Lumber Co., Rt. 1, Box 360, Auburndale	02 08
Locke, W. H., Davenport	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Peddy, A. J., and Sons, Box 2627, Mulberry	02 08
Raulerson, J. J., Rt. 2, Box 964, Lakeland	08
Robbins Mfg. Co., Box 733, Tampa	02 08
Smith Lumber and Pulpwood Co. P. O. Box 910, Lake Alfred	02 08
Stembridge and Son Lumber Co., Lake Wales	08
Townsend Lumber Co., Lake Wales	2 08 19 20 22
Truitt Lumber and Supply Co., Auburndale	02 04 05
Webb Lumber Co., Auburndale	02 08

SPANISH MOSS
Southern Moss Hair Co., Archer Rd., Gainesville

VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

INDEPENDENT LOGGERS
Leigh, Ned, Lakeland

PUTNAM COUNTY

DISTILLATION TIMBER	
Cabot Carbon Co. Retort Chemical Division, Gainesville	09

HEWN TIE TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Dyal, E. E., 418 Emmett St., Palatka	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
McCallum, J. F., Rt. 1, De Land	08
McGee, Dan, Palatka	02 08
Miller, E. M., 909 Butler St., Palatka	02 08
Wishop, Jessie, Palatka	02 08

PILING TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PUTNAM COUNTY (Continued)

PULPWOOD TIMBER	Species
Adams, Tom, Box 17, Orange Park	08
Carswell, J. E., Green Cove Springs	08
Dennis, D. E., Gainesville	08
Fulford, Woodrow, Ocala	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Neal, Bill, Keystone Heights	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Barnes Lumber Co., Box 84, Hastings	02 08
Brice Lumber, Inc., Archer	08
Camp, John, Lumber Co., Gainesville	08
Cason, Harley, Buyer Ocala Lumber Sales Co. 990 Ponciana St., Ocala	02 08
Johntry, W. L., Johnson	02 04 05 10 19 20 33
Nalley, L. N., 47 Cordova St., St. Augustine	02 08
Palatka Lumber Co., N. 8th St., Palatka	02 08
St. Johns Box Co., Palatka	10 19 20 22 30 33
Shrenk, E. E., East Palatka	02 08
Slade, Lester, Hampton	02 08
Springside Lumber Co., Box 387, Palatka	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Jacksonville Box Co., Jacksonville	19 20 22 30 33
Ocala Mfg. Ice and Packing Co., Box 576, Ocala	08 19 20
St. Johns Box Co., Palatka	10 19 20 22 30 33
COOPERAGE BOLTS	
Ross Crate and Cooperage Co., Palatka	04 05
HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
McCallum, J. F., Rt. 1, De Land	02 08
Watkins, Clarence C., 511 N. 3rd St., Palatka	02 08
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	04 05
Newton Co., The, Box 410, Lake City	04 05
Reasor-Lewis Corp., Beaver St., Jacksonville	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PUTNAM COUNTY (Continued)

POLES	Species
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Dennis, D. E., Gainesville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glisson, J. L., Peniel Rd., Palatka	04 05
McCallum, J. F., Rt. 1, De Land	08
Peck, E. W., Olive Court, Gainesville	08
Peck, P. W., Olive Court, Gainesville	08
SAWLOGS	
Barnes Lumber Co., Box 84, Hastings	02 08
Brice Lumber, Inc., Archer	08
Browning Lumber Co., East Palatka	02 08
Camp, John, Lumber Co., Gainesville	08
Chesser, D. L., Lumber Co., Box 708, Palatka	02 08
Florida Furniture Industries, Inc., Palatka	02 04 05 19 20 22 30 33 35
Harris, J. C., Keystone Heights	02 08
Palatka Lumber Co., N. 8th St., Palatka	02 08
Ross Crate and Cooperage Co., Palatka	04 05
St. Johns Box Co., Palatka	10 19 20 22 30 33
Shrenk, E. E., East Palatka	02 08
Slade, Lester, Hampton	02 08
Turner, John L., Box 405, Hawthorn	02 08
SPANISH MOSS	
Flemming, Harry, Hawthorn	
Southern Moss Hair Co., Archer Rd., Gainesville	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Ocala Mfg. Ice and Packing Co., Box 576, Ocala	02 08 19 20
St. Johns Box Co., Palatka	10 19 20 22 30 33
INDEPENDENT LOGGERS	
Barber Brothers, Palatka	
Barber, O. E., Stokes Landing Rd., Palatka	
Barber, S. C., Peniel Rd., Palatka	
Bolton, D. E., 1915 Diana Drive, Palatka	
Bray, H. E., 316 N. 1st, Palatka	
Bryan, R. C., 603 Fletcher St., Palatka	
Bryant, Sam, Orange Mills, Palatka	
Durden, M. E., Palatka	
Dyal, E. E., 418 Emmett St., Palatka	
Eubanks, J. H., 1817 Kate St., Palatka	
Gonto, Raymond, Palatka	
Head, C. W., Palatka	
Jones, W. C., 400 Moseley, Palatka	

PUTNAM COUNTY (Continued)

INDEPENDENT LOGGERS	Species
Miller, E. M., 909 Butler St., Palatka	
Nolan, R. L., Palatka	
Silcox, B. B., Palatka	
Varnes, J. C., Florahome	
Walters, R. F., East Palatka	
Waters, Buddy, 512 Bronson St., Palatka	
Waters, Raymond, Palatka	
Wilkinson, S. T., Palatka	
Williams, I. B., Bostwick	

ST. JOHNS COUNTY

HEWN TIE TIMBER	
Charles, G., St. Augustine	08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Johnson, Green, St. Augustine	02 08
Marie, Abe, St. Augustine	02 08

PILING TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Dixie Timber Co., Box 805, Jacksonville	08
Glass, H. L., Orange Park	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Austin, M. J., 221 Georgia St., Jacksonville	08
Dixie Timber Co., Box 805, Jacksonville	08
Glass, H. L., Orange Park	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Anderson, L. R., Bayard	08
Austin, M. J., 221 Georgia St., Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glass, H. L., Orange Park	08
Grambling, W. M., St. Augustine	08
H. Y. P. Associates P. O. Box 1339, St. Augustine	08
Herold, P. G., Rt. 3, Box 572, Jacksonville	02 08 19 20 30 33
Higginbottom, L., Wesconnett	02 08
Kelley, Leon, General Delivery, St. Augustine	08
Maguire, Leo Orange Dale Star Route, Green Cove Springs	08
Rewis, James, General Delivery, St. Augustine	08
Wadsworth, L. E., Bunnell	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Wright, Jake, St. Augustine	08

SAW TIMBER	
Anderson, L. R., Bayard	02 08

ST. JOHNS COUNTY (Continued)

SAW TIMBER	Species
Barnes Lumber Co., Box 84, Hastings	02 08
Bennett, W. J., Lumber Co., Switzerland	08 19 20
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Foshee Lumber Co. 2731 Hershell St., Jacksonville	02 08 19 20
Gibson, H. B., Rt. 1, Box 246, Jacksonville	08
Glass, H. L., Orange Park	
Gordon, J. H., Lumber Co. Box 1120, St. Augustine	
Granger, H. S., Middleburg	
H. Y. P. Associates P. O. Box 1339, St. Augustine	01
Herbert, J. W., Green Cove Springs	08
King, T. L., Lumber Co., Bunnell	02 08
Nalley, L. N., 47 Cordova St., St. Augustine	08
Palatka Lumber Co., N. 8th St., Palatka	02 08
Rankin Lumber Co., 598 Acosta St., Jacksonville	02 08
Rivers, R. J., Box 2261, Jacksonville	
St. Johns Box Co., Palatka	10 19 20 22 30 33
Shrenk, E. E., East Palatka	02 08
Starbuck, H. F., Lumber Co. P. O. Box 1146, St. Augustine	02 08
Waling Lumber Co., Box 741, Leesburg	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Jacksonville Box Co., Jacksonville	19 33
St. Johns Box Co., Palatka	10 19 20 22 30 33
Waling Crate Co., Box 741, Leesburg	08 19 20 35

COOPERAGE BOLTS	
Ross Crate and Cooperage Co., Palatka	04 05

HEWN TIES	
Crosby, M. E., Spring Glen	
Dixie Timber Co., Box 805, Jacksonville	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	
Hill, C. E., Jasper	
Starbuck, H. F., Lumber Co. P. O. Box 1146, St. Augustine	
Watkins, Clarence C., 511 N. 3rd St., Palatka	02 08
Williamson Tie Co., Box 1527, Jacksonville	

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	
Newton Co., The, Box 410, Lake City	04 05
Reasor-Lewis Corp., Beaver St., Jacksonville	

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	
Miami Wood Treating Co. P. O. Box 623, Coral Gables	

ST. JOHNS
ST. LUCIE
SANTA ROSA

ST. JOHNS COUNTY (Continued)

	Species
PILES	
Woods, J. I., Buyer Eppinger and Russell Co. St. 4, Gainesville	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 8[illegible], Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box [illegible], Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glisson, J. L., Peniel Rd., Palatka	04 05
Wadsworth, L. E., Bunnell	[illegible]
SAWLOGS	
Barnes Lumber Co., Box 84, Hastings	02 08
Chesser, D. L., Lumber Co., Box 708, Palatka	02 08
Darby, F. W., Lumber Co. Rt. 2, Box 179, Jacksonville	02 08
Florida Furniture Industries, Inc., Palatka	02 04 05 [illegible] [illegible] 30 33 35
Foshee Lumber Co. 2731 Hershell St., Jacksonville	02 08
Gibson, H. B., Rt. 1, Box 246, Jacksonville	02 08
Glass, H. L., Orange Park	08
Gordon, J. H., Lumber Co. Box 1120, St. Augustine	01 08
Granger, H. S., Middleburg	02 08
Herbert, J. W., Green Cove Springs	08
King, T. L., Lumber Co., Bunnell	02 08
Palatka Lumber Co., N. 8th St., Palatka	02 08
Rankin Lumber Co. 598 Acosta St., Jacksonville	02 08
Ross Crate and Cooperage Co., Palatka	04 05
St. Johns Box Co., Palatka	[illegible] 19 [illegible] 30 33
Shrenk, E. E., East Palatka	02 08
Tresca Sawmill, Tresca Rd., Jacksonville	02 08
Widdon-Hays Lumber Co. 2731 Hershell St., Jacksonville	02 08
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
St. Johns Box Co., Palatka	10 19 20 22 30 33
INDEPENDENT LOGGERS	
Barnes, C. R., Hastings	
Grambling, W. M., St. Augustine	
Rewis, James, General Delivery, St. Augustine	
Sutton, R. L., St. Augustine	

ST. LUCIE COUNTY

	Species
SAW TIMBER	
Fulton, E. M., Stuart	02 04 05

ST. LUCIE COUNTY (Continued)

	Species
SAW TIMBER	
Lloyd, J. L., Vero Beach	02 08
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Saint Lucie County Sawmill, Fort Pierce	04 05
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
Fulton, E. M., Stuart	02 04 05
Lloyd, J. L., Vero Beach	02 08
Martin Lumber Co., Indian Town	02 04 05
Mullins, W. C., Orange Avenue, Fort Pierce	02 04 05
Saint Lucie County Sawmill, Fort Pierce	04 05

SANTA ROSA COUNTY

	Species
DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09
FENCE POST TIMBER	
Carroll, Charles H., Rt. 5, Box 446, Pensacola	01 02 09
NAVAL STORES STUMPS	
Brooks, Cyrus F., Milton	04 05
Gaston, Palmer, Milton	04 05
Lawhon, O. C., Buyer Newport Industries, Crestview	04 05
Newport Industries, Inc., Pensacola	04 05
Pugh, J. D., Milton	04 05
Wilson, Frank, Harold	04 05
PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, Earnest, Brewton, Alabama	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, Frank, Rt. 2, Milton	08
Hardy, S. E., Munson	08
Jackson, Ray, Rt. 2, Brewton, Alabama	08
Johnson, E. C., Rt. 4, Milton	04 05
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Moye, C. V., Bluffsprings	08
Pensacola Creosoting Co., Pensacola	08
Rutherford, Joe, Barrineau Park	08
Sanson, Storie, 811 E. Hatton, Pensacola	08
Stubbs, V. D., Rt. 3, Milton	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SANTA ROSA COUNTY (Continued)

POLE TIMBER	Species
Clary, Glendel G., Laurel Hill	04 05
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, Earnest, Brewton, Alabama	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, Frank, Rt. 2, Milton	08
Hardy, S. E., Munson	08
Jackson, Ray, Rt. 2, Brewton, Alabama	08
Johnson, E. C., Rt. 4, Milton	04 05
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Miller, T. R., Mill Co., Brewton, Alabama	08
Moye, C. V., Bluffsprings	08
Pensacola Creosoting Co., Pensacola	08
Rutherford, Joe, Barrineau Park	08
Sanson, Storie, 811 E. Hatton, Pensacola	08
Stubbs, V. D., Rt. 3, Milton	04 05
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Bishop, G. M., Argyle	08
Carver, W. C., Rt. 1, Crestview	08
Clary, Glendel G., Laurel Hill	08
Douglas, W. D., Crestview	08
Estes Timber Co., Cantonment	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Abbott Lumber Mfg. Co., Box 1182, Pensacola	08 20 23
Alger-Sullivan Lumber Co., Century	01 02 08 23 33
Anderson, E., Box 276, Bagdad	01 02 08 23 33
Barnhill, Hub, Crestview	08 19 20 23 33
Barth Lumber Co., Barth	02 08 23 30 33
Carver, W. C., Rt. 1, Crestview	08 19 20 23
Cobb, J. O., Rt. 3, Milton	08 23 33
Cook, E. N., Rt. 1, Falco, Alabama	08 33
Fowler, E. S., Rt. 1, Box 450, Jay	08 23 33
Johnson, E. C., Rt. 4, Milton	08 23
Miller, T. R., Mill Co., Brewton, Alabama	02 08
Mills, J. R., Niceville	08
Morrell and Allen, Rt. 4, Milton	08 23
Santa Rosa Lumber Co., Milton	08
Stubbs, V. D., Rt. 3, Milton	08 23 33
Swift-Hunter Lumber Co., Atmore, Alabama	02 08 10 12 19 20 21 22 23 29 30 33
White, B. N., Lumber Co., Flomaton, Alabama	04 05 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Bogia Veneer Mill, Bogia	19 20 30 33
Jackson Veneer Co., Laurel Hill	19 20 33
Miller, T. R., Mill Co., Bogia	19 20 22 30 33

SANTA ROSA COUNTY (Continued)

VENEER TIMBER	Species
Miller, T. R., Mill Co., Brewton, Alabama	19 20 22 30 33

EXCELSIOR WOOD AND TIMBER	
Pensacola Excelsior Co. P. O. Box 135, Pensacola	08

COOPERAGE BOLTS	
Pensacola Excelsior Co. P. O. Box 135, Pensacola	08

FENCE POSTS	
Wood, J. R. Builders Supply Co., Atmore, Alabama	04 08

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Peninsular-Lurton Co., Pensacola	04 05

PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Miller, T. R., Mill Co., Brewton, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
St. Regis Paper Co., Cantonment	08

SAWLOGS	
Abbott Lumber Mfg. Co., Box 1182, Pensacola	08 20 23
Barnhill, Hub, Crestview	08 19 20 23 33
Barth Lumber Co., Barth	02 08 23 30
Cook, E. N., Rt. 1, Falco, Alabama	08 33
Miller, T. R., Mill Co., Brewton, Alabama	02 08
Pine Lumber Co., Flomaton, Alabama	04 05
Santa Rosa Lumber Co., Milton	08
Swift-Hunter Lumber Co., Atmore, Alabama	02 08 10 12 19 20 21 22 23 29 30 33
White, B. N., Lumber Co., Flomaton, Alabama	04 05 23 30 33

VENEER BLOCKS AND LOGS	
Miller, T. R., Mill Co., Bogia	19 20
Miller, T. R., Mill Co., Brewton, Alabama	19 20 22 30 33

INDEPENDENT LOGGERS
Hardy, Frank, Rt. 2, Milton

SARASOTA COUNTY

SAW TIMBER	
Jack, John R., Lumber Co., Punta Gorda	02 08
Johnson Lumber Co., Box 309, Palmetto	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

SARASOTA COUNTY (Continued)

SAW TIMBER	Species
Rayl, E., Oneco	05
Rayl, Ralph, Box [illegible], Sarasota	08
Zoller Lumber Co., Bradenton	02 08
VENEER TIMBER	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
FUEL WOOD	
Wood Fuel, Inc., 169 N. W. 20th St., Miami	09
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
SAWLOGS	
Jack, John R., Lumber Co., Punta Gorda	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Rayl, E., Oneco	05
Zoller Lumber Co., Bradenton	02 08
VENEER BLOCKS AND LOGS	
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
INDEPENDENT LOGGERS	
Owens, W. J., Sarasota	

SEMINOLE COUNTY

HEWN TIE TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
McCallum, J. F., Rt. 1, De Land	08
PILING TIMBER	
Gatlin, C. B., P. O. Box 273, Geneva	02
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Kemp, John, Mount Dora	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Byrd, E. V., Rt. 2, Box 184, Sanford	08
Cameron, Perry, Sanford	08
Gatlin, C. B., P. O. Box 273, Geneva	08
Gerard, Joe, Box 244, Longwood	08

SEMINOLE COUNTY (Continued)

SAW TIMBER	Species
Goethe, Henry, Lumber Co., Titusville	02 08
Goodall, W. N., P. O. Box 106, Longwood	08
Hopkins, W. A., 329 Sanford Avenue, Sanford	08
Montgomery, W. W., Rt. 2, Maitland	08
Morrison, E., General Delivery, Winter Park	02 04 05
Nielson Lumber Co., P. O. Box 195, Eustis	08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
Ranson, E., Rt. 2, Box 512, Sanford	08
Richardson, H. S., General Delivery, Apopka	02 04 05
Rock Springs Lumber Co., Box 432, Apopka	02 08
Roehlk, R. F., P. O. Box 1524, Sanford	02 08
Stone, Jewell, Box 132, Lockhart	08
Veino, I. H., Box 149, Longwood	02 08
Vino, Lester, Osteen	02 08
Williams, J. Ted, 211 Maple Avenue, Sanford	02 08 19 20 22
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Consumers Lumber and Veneer Co., Apopka	04 05
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
McCallum, J. F., Rt. 1, De Land	02 08
NAVAL STORES GUM	
Newton Co., The, Box 410, Lake City	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
McCallum, J. F., Rt. 1, De Land	08
SAWLOGS	
Cameron, Perry, Sanford	08
Flowers, W. T., Rt. 4, Orlando	02 08
Goethe, Henry, Lumber Co., Titusville	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

SEMINOLE COUNTY (Continued)

SAWLOGS — Species

Parker Lumber Co., Box 144, Maitland — 08

VENEER BLOCKS AND LOGS

Nocatee-Manatee Crate Co.
Plants at Nocatee, Manatee, and Callahan — 02 08 10 18 19 20 22 23 30 33 35

SUMTER COUNTY

HEWN TIE TIMBER

Gibson Paperwood Co., Inc.
Box 711, Tallahassee — 08

PILING TIMBER

Florida Tar and Creosote Corp.
P. O. Box 3287, Tampa — 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

POLE TIMBER

Florida Tar and Creosote Corp.
P. O. Box 3287, Tampa — 08

Kemp, John, Mount Dora — 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

PULPWOOD TIMBER

Bell, J. J., Brooksville — 08

Crum, M. M., Lutz — 08

Gibson Paperwood Co., Inc.
Box 711, Tallahassee — 08

Hartsfield, Donald R., 108 Anthony Rd., Ocala — 08

Pitts, R. L., Dunnellon — 08

West, J. M., and Son, Bushnell — 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

SAW TIMBER

Aikin, F. W., Webster — 04 05

Bigham, W. R., Jr., Box 82, Coleman — 02 04 05

Cash and Carry Lumber Co., Lakeland — 02 08

Connell, A. R., Bushnell — 02 04 05

Cummer Sons Cypress Co., Lacoochee — 02 08 10 19 20 22 30 33

Grono, G. L., Box 535, Haines City — 02 08

Harvard Lumber Co., Rt. 1, Box 360, Auburndale — 02 08

Lindsay, Herbert, Bushnell — 02 04 05

Lovett, J. W., and Sons, Bushnell — 02 04 05

Nocatee-Manatee Crate Co.
Plants at Nocatee, Manatee, and Callahan — 02 08 10 18 19 20 22 23 30 33 35

Porterfield, C. W., Box 114, Mascotte — 02 04 05

Raulerson, J. J., Rt. 2, Box 964, Lakeland — 08

Uzzle, Don, Box 154, New Port Richey — 08

Waling Lumber Co., Box 741, Leesburg — 04 05

Woodard, Eli, Bushnell — 04 05

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

VENEER TIMBER

Nocatee-Manatee Crate Co.
Plants at Nocatee, Manatee, and Callahan — 02 08 10 18 19 20 22 23 30 33 35

Russ Crate Co., Coleman — 04 05 19 20 22 35

SUMTER COUNTY (Continued)

VENEER TIMBER — Species

Waling Crate Co., Box 741, Leesburg — 04 19 20 35

HEWN TIES

Gibson Paperwood Co., Inc.
Box 711, Tallahassee — 08

NAVAL STORES GUM

Newton Co., The, Box 410, Lake City — 04 05

PILES

Carr Creosoting Co.
Box 101, Little River Station, Miami — 08

Florida Tar and Creosote Corp.
P. O. Box 3287, Tampa — 08

Miami Wood Treating Co.
P. O. Box 623, Coral Gables — 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

POLES

Carr Creosoting Co.
Box 101, Little River Station, Miami — 08

Florida Tar and Creosote Corp.
P. O. Box 3287, Tampa — 08

Miami Wood Treating Co.
P. O. Box 623, Coral Gables — 08

Woods, J. I., Buyer
Eppinger and Russell Co.
Rt. 4, Gainesville — 08

PULPWOOD

Bell, J. J., Brooksville — 04 08

Crum, M. M., Lutz — 08

Gibson Paperwood Co., Inc.
Box 711, Tallahassee — 08

SAWLOGS

Alstons Planing Mill, Zephyrhills — 04 08

Cummer Sons Cypress Co., Lacoochee — 02 08 10 19 20 22 30 33

Grono, G. L., Box 535, Haines City — 02 08

Harvard Lumber Co., Rt. 1, Box 360, Auburndale — 02 08

Nocatee-Manatee Crate Co.
Plants at Nocatee, Manatee, and Callahan — 02 08 10 18 19 20 22 23 30 33 35

Raulerson, J. J., Rt. 2, Box 964, Lakeland — 08

Waling Lumber Co., Box 741, Leesburg — 04 05

SPANISH MOSS

Southern Moss Hair Co., Archer Rd., Gainesville

Vego Hair Co., Gainesville

VENEER BLOCKS AND LOGS

Nocatee-Manatee Crate Co.
Plants at Nocatee, Manatee, and Callahan — 02 08 10 18 19 20 22 23 30 33 35

Waling Crate Co., Box 741, Leesburg — 08 19 20 35

INDEPENDENT LOGGERS

Stewart, J. M., Center Hill

SUWANNEE COUNTY

FENCE POST TIMBER

Live Oak Creosoting Co., Live Oak

HANDLE TIMBER

Gulf Hardwood Co., Perry — 08

SUWANNEE COUNTY (Continued)

HEWN TIE TIMBER	Species
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 21 30
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Deese, Joe, Fort White	05 06
Dempsey and McAllister, Live Oak	02 08
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Harrell, O. T., Box 1200, Lake City	04 05
Hodge, Hinton, Old Town	02 08 23
Keen, F. E., General Delivery, Lake City	05 06
Land, Harlow, Mayo	02 08 23
Morton, Ralph, Lake City	02 04 05
Sapp, Ronald, Rt. 1, Branford	02 08 23

PILING TIMBER	
Bevan, Norman M., Live Oak	08
Brock, J. H., 414 Shelby St., Live Oak	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Southern Forest Products Co., Inc., Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Boatwright, O'Neal, Mayo	04 05
Brim, G. W., R. F. D., Live Oak	08
Brock, J. H., 414 Shelby St., Live Oak	08
Brock, Robert, Live Oak	08
Canal Timber Corp., Lake City	05 06
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Deese, Joe, Fort White	05 06
Dempsey and McAllister, Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Fissil, Fred, Branford	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Gibson, J. W., Madison	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Land, Drew, Live Oak	08
Malasso, Mike, Lake City	08
Morton, Ralph, Lake City	08
Nobles, Rufus, Live Oak	08
Sapp, Ronald, Rt. 1, Branford	08
Southern Forest Products Co., Inc., Live Oak	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Live Oak	08
Willis, Buster and Poole, Morris, Live Oak	08

SUWANNEE COUNTY (Continued)

POLE TIMBER	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Armstrong, C. C., Madison	09
Barnes, C. B., Live Oak	08
Bevan, Norman M., Live Oak	08
Bevan, Verner, Live Oak	08
Boatwright, O'Neal, Mayo	08
Camp, J. C., Jasper	08
Canal Timber Corp., Lake City	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Deese, Joe, Fort White	04 05
Dempsey and McAllister, Live Oak	08
Gibson, J. W., Madison	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Griffin, J. D., O'Brien	08
Harrell, O. T., Box 1200, Lake City	08
Hodge, Hinton, Old Town	08
Howerton, T. M., Madison	08
Hunter, Garnett, White Springs	08
Keen, F. E., General Delivery, Lake City	04 05
Land, Harlow, Mayo	08
Malasso, Mike, Lake City	08
Morton, Ralph, Lake City	08
Nobles, Rufus, Live Oak	08
Sapp, Ronald, Rt. 1, Branford	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Lake City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Barwick, W. F., Branford	08
Bevan, Verner, Live Oak	02 08 19 20 21 29 30
Boatwright, O'Neal, Mayo	08
Bradley, W. B., Branford	01 02 08 10 19 20 22 30
Brim, G. W., R. F. D., Live Oak	02 08
Brooks-Scanlon Lumber Co., Foley	02 08
Camp, J. C., Jasper	02 08
Canal Timber Corp., Lake City	02 04 05
Cross, H. C., Rt. 4, Live Oak	01 02 08 19 20 30
Daniels, T. A., Branford	02 08
Gibson, T. C., Lumber Co., Madison	02 08
Goff Sawmill, Live Oak	01 02 08 19 20 30
Griffin, J. D., O'Brien	01 02 08 19 20 21 23 27 29 30
Kellogg Lumber Co., Live Oak	02 08
Kent, S. E., Branford	01 02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35

SUWANNEE COUNTY (Continued)

SAW TIMBER	Species
Perry Lumber Co., Perry	02 08
Sapp, W. J., Jasper	02 08
Singletary, J. S., Rt. 1, Mayo	08
Stevens, Alex, Lake City	08 [illegible]
Studstill Lumber Co., Madison	02 08
Warren and Hancock, Live Oak	01 02 08
Williams, Jim, Lee	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]

VENEER TIMBER	
Consumers Lumber and Veneer Co., Apopka	[illegible]
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 [illegible] [illegible]
Russ Crate Co., Coleman	[illegible] 22 35
Southern Plywoods, Greenville	[illegible]

FENCE POSTS	
Live Oak Creosoting Co., Live Oak	[illegible]

HEWN TIES	
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 23 30
Dixie Timber Co., Box 805, Jacksonville	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	[illegible]
Studstill Lumber Co., Madison	[illegible]
Williamson Tie Co., Box 1527, Jacksonville	[illegible] 23

NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	[illegible]
Newton Co., The, Box 410, Lake City	[illegible]

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	[illegible]
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	[illegible]
Southern Forest Products Co., Inc., Live Oak	08
Weaver and Loughridge, Boyd	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Conger, E. C., Co., Madison	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Florida Tar and Creosote Corp. P. O. Box 3287, Tampa	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Southern Forest Products Co., Inc., Live Oak	08
Weaver and Loughridge, Boyd	08

SUWANNEE COUNTY (Continued)

POLES	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	[illegible]

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]

SAWLOGS	
Brim, G. W., R. F. D., Live Oak	[illegible]
Brooks-Scanlon Lumber Co., Foley	[illegible]
Daniels, T. A., Branford	02 08
Gibson, T. C., Lumber Co., Madison	[illegible]
Kellogg Lumber Co., Live Oak	02 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 [illegible] [illegible]
Studstill Lumber Co., Madison	02 08
Williams, Jim, Lee	02 08

SPANISH MOSS	
Vego Hair Co., Gainesville	

VENEER BLOCKS AND LOGS	
Maxwell Brothers, Jasper	06 19 20 22 [illegible]
Nants Mfg. Co., Live Oak	08 19 20
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 [illegible] 30 33 35

INDEPENDENT LOGGERS
Allen, Joe, Houston
Allen, Lenious, Wellborn
Barnes, C. B., Live Oak
Bevan, Norman M., Live Oak
Butler, Robert, Wellborn
Cannon, J. O., 113 Shelby St., Live Oak
Carter, S. I., P. O. Box 400, Live Oak
Dempsey and McAllister, Live Oak
Foss, Archie, Live Oak
George, W. J., Rt. 4, Live Oak
Goff, Charles, Live Oak
Goff, Guy, Live Oak
Henry, Tom, Live Oak
Land, Drew, Live Oak
Land, Leo, Live Oak
Lee, A. C., Live Oak
Nobles, Rufus, Live Oak
Sutton, N. S., Live Oak

TAYLOR COUNTY

HANDLE TIMBER	
Gulf Hardwood Co., Perry	10 21

HEWN TIE TIMBER	
Burnett, C. L. Andrews and Burnett, Greenville	[illegible] [illegible]
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08

TAYLOR COUNTY (Continued)

HEWN TIE TIMBER	Species
Wethington, John A., Box 872, Tallahassee	08 19 20 23

PILING TIMBER	
Brock, J. H., 414 Shelby St., Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Brock, J. H., 414 Shelby St., Live Oak	08
Burnett, C. L. Andrews and Burnett, Greenville	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Gibson, J. W., Madison	08
Goff Sawmill, Live Oak	08
Nobles, Rufus, Live Oak	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Armstrong, C. C., Madison	08
Burnett, C. L. Andrews and Burnett, Greenville	08
Gibson, J. W., Madison	08
Gibson, L. P., Perry	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	08
Graham, F. F., Perry	08
Howerton, T. M., Madison	08
Huxford, J. D., Perry	08
Marsh, Hal, Perry	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Nobles, Rufus, Live Oak	08
Robertson, J. A., Rt. 3, Greenville	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Tippett, John and Norman, Lee	08
Warren and Hancock, Lake City	08
Westberry, H. J., Perry	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Brooks-Scanlon Lumber Co., Foley	02 08
Cook, W. H., Rt. 2, Box 47, Tallahassee	08 19 20
Daniels, T. A., Branford	02 08
Elberta Crate Co., Tallahassee	08 23 34
Fagan Lumber Co., Greenville	02 08 19 20 22 30 33
Goff Sawmill, Live Oak	01 02 08 19 20 30
Linton, M. S., Perry	02 04 05
Madison Lumber Co., Madison	02 08
Perry Lumber Co., Perry	02 08
Pinkerton, Ralph, Perry	02 08

TAYLOR COUNTY (Continued)

SAW TIMBER	Species
Smith, Bennie, Greenville	02 08
Studstill Lumber Co., Madison	02 08
Tomlinson Lumber Corp., Lloyd	08
Warren and Hancock, Live Oak	01 02 08
Weaver and Loughridge, Boyd	02 08
Williams, Jim, Lee	02 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Elberta Crate Co., Tallahassee	23 34
Florida Veneer and Lumber Co., Monticello	06 19 20 22 29 30 33
Southern Plywoods, Greenville	19 20 22 30

HEWN TIES	
Burnett, C. L. Andrews and Burnett, Greenville	02 08 19 20 23 30
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Studstill Lumber Co., Madison	02
Wethington, John A., Box 872, Tallahassee	08 19 20 23

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08

PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Weaver and Loughridge, Boyd	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Conger, E. C., Co., Madison	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Escambia Treating Co., Box 1710, Pensacola	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Weaver and Loughridge, Boyd	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08

SAWLOGS	
Brooks-Scanlon Lumber Co., Foley	02 08

TAYLOR COUNTY (Continued)

SAWLOGS	Species
Cook, W. H., Rt. 2, Box 47, Tallahassee	08 19 20
Daniels, T. A., Branford	02 08
Elberta Crate Co., Tallahassee	08 19 20
Fagan Lumber Co., Greenville	02 08
Gibson, T. C., Lumber Co., Madison	02 08
Madison Lumber Co., Madison	02 08
Shealey, L. L., Lamont	02 08 19 20 22
Studstill Lumber Co., Madison	08
Tomlinson Lumber Corp., Lloyd	08
Weaver and Loughridge, Boyd	02 08
Williams, Jim, Lee	02 08
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Elberta Crate Co., Tallahassee	08 19
Florida Veneer and Lumber Co., Monticello	02 08 19 20 22
Maxwell Brothers, Jasper	06 19 20 22

UNION COUNTY

HEWN TIE TIMBER	
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Crawford, Everett, Lake Butler	04 05
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Goff Sawmill, Live Oak	02 08
Morton, Ralph, Lake City	02 04 05
Waldron, J. L., General Delivery, Lulu	04 05
PILING TIMBER	
Dixie Timber Co., Box 805, Jacksonville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Bevan, Verner, Live Oak	08
Canal Timber Corp., Lake City	05 06
Carter, S. I., P. O. Box 400, Live Oak	08
Dixie Timber Co., Box 805, Jacksonville	08
Goff Sawmill, Live Oak	08
Land, Drew, Live Oak	08
Morton, Ralph, Lake City	08
Warren and Hancock, Live Oak	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Allen, C. C., Macclenny	04 05
Bevan, Verner, Live Oak	08
Canal Timber Corp., Lake City	08
Cannon, J. O., 113 Shelby St., Live Oak	08
Carter, S. I., P. O. Box 400, Live Oak	08
Christie, Ralph, 1919 N. Marion, Lake City	04 05
Dennis, D. E., Gainesville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08

UNION COUNTY (Continued)

PULPWOOD TIMBER	Species
Goff Sawmill, Live Oak	08
Lewis, W. B., Raiford	08
Morton, Ralph, Lake City	08
Rhoden, L. L., Glen St. Mary	04 05
Warren and Hancock, Lake City	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Bevan, Verner, Live Oak	02 08 19 20 30
Brown, E. M., Box 262, Macclenny	04 05
Bumgarner, Ted, Lulu	04 05
Camp, John, Lumber Co., Gainesville	08
Canal Timber Corp., Lake City	02 04 05
Carver, R. M., Macclenny	02 04 05
Duke Lumber Co., Alachua	08
Gill and McDaniels, General Delivery, Lake City	04 05
Goff Sawmill, Live Oak	01 02 08 19 30
Granger Lumber Co., Inc., Lake City	02 04 05 30
Harris, Bill, Penney Farms	02 08
Lewis, W. B., Raiford	02 05 06
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 20 23 30 33 35
Rowe, J. R., Macclenny	04 05
Stevens, Alex, Lake City	08 23
Waldron, J. L., General Delivery, Lulu	02 04 05
Warren and Hancock, Live Oak	01 02 08
Whitehead, C. D., General Delivery, Lake Butler	02 08 23
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
Adkins Mfg. Co., Gainesville	10 19 20 30
Jacksonville Box Co., Jacksonville	19 20 30 33
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 33 35
HEWN TIES	
Dixie Timber Co., Box 805, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
Williamson Tie Co., Box 1527, Jacksonville	02 04 05 19
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Jacksonville Processing Corp. Lane Avenue, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08

UNION
VOLUSIA

UNION COUNTY (Continued)

	Species
PILES	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Dixie Timber Co., Box 805, Jacksonville	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Dennis, D. E., Gainesville	08
Douglas, J. K., 10th and Lake, Starke	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Lewis, Malcolm, Brooker	08
Parrish, W., Lawtey	08
Peck, E. W., Olive Court, Gainesville	08
Peck, P. W., Olive Court, Gainesville	08
SAWLOGS	
Camp, John, Lumber Co., Gainesville	08
Duke Lumber Co., Alachua	08
Harris, Bill, Penney Farms	04 08
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
SPANISH MOSS	
Vego Hair Co., Gainesville	
VENEER BLOCKS AND LOGS	
Adkins Mfg. Co., Gainesville	10 19 20 30 35
Maxwell Brothers, Jasper	06 19 20 22 30
Nocatee-Manatee Crate Co. Plants at Nocatee, Manatee, and Callahan	02 08 10 18 19 20 22 23 30 33 35
INDEPENDENT LOGGERS	
Crawford, Everett, Lake Butler	
Elixson, H. P., Lake Butler	
Hunter, Dave, Lake Butler	
Mott, O. J., Lake Butler	

VOLUSIA COUNTY

	Species
HEWN TIE TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
McCallum, J. F., Rt. 1, De Land	08
PILING TIMBER	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VOLUSIA COUNTY (Continued)

	Species
PULPWOOD TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Wadsworth, L. E., Bunnell	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Allen, C. E., P. O. Box 22, Scottsmoor	02 08 33
Braddock, H. L., Rt. 3, Box 47A, De Land	08
Brice Lumber, Inc., Archer	08
Cole, P. P., Edgewater	02 08
Columbia Lumber Co., Sanford	02
Dillard, S. Bluffton Lumber Co., Astor	02 08
Durst, J. B., Box 905, De Land	02 08
Goethe, Henry, Lumber Co., Titusville	02 08
Gordon, J. H., Lumber Co. Box 1120, St. Augustine	02 08
Holland, C. A., New Smyrna	02 08
Hughes Lumber Co., Box 768, Daytona Beach	02 08
Johntry, W. L., Johnson	02 04 05 10 19 20 33
King, T. L., Lumber Co., Bunnell	02 08
Lee, R. E., 431 E. New York St., De Land	02 08
Manning, J. and W. A., Rt. 1, New Smyrna	08
Mitchell and Alexander, Box 1069, Daytona Beach	02 08
Proctor and Armstrong Lumber Co. Box 3[illegible], De Land	02 08
Reliable Lumber Co., Box 371, De Land	02 08
St. Johns Box Co., Palatka	10 19 20 22 30 33
Strawn, Theodore, Deleon Springs	02 08
Stubbs, S. J., De Land	02 10 19
Vino, Lester, Osteen	02 08
Warmack, O. J., Rt. 1, Box 234, New Smyrna	02 08
White, Frank, Box 153, Pierson	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
VENEER TIMBER	
St. Johns Box Co., Palatka	10 19 20 22 30 33
CABBAGE PALMS	
O. K. Fibre Brush Co., Inc., Benson Junction	
COOPERAGE BOLTS	
Ross Crate and Cooperage Co., Palatka	
HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hill, C. E., Jasper	08
McCallum, J. F., Rt. 1, De Land	02 08
NAVAL STORES GUM	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Newton Co., The, Box 410, Lake City	04 05
PILES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08

VOLUSIA COUNTY (Continued)

PILES	Species
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	8

POLES	
Carr Creosoting Co. Box 101, Little River Station, Miami	08
Miami Wood Treating Co. P. O. Box 623, Coral Gables	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Glisson, J. L., Peniel Rd., Palatka	04 05
McCallum, J. F., Rt. 1, De Land	08
Wadsworth, L. E., Bunnell	08

SAWLOGS	
Allen, C. E., P. O. Box 22, Scottsmoor	02 08 33
Braddock, H. L., Rt. 2, Box 47A, De Land	08
Brice Lumber, Inc., Archer	08
Browning Lumber Co., East Palatka	02 08
Goethe, Henry, Lumber Co., Titusville	02 08
King, T. L., Lumber Co., Bunnell	02 08
Proctor and Armstrong Lumber Co. Box 322, De Land	02 08
Ross Crate and Cooperage Co., Palatka	04 05
St. Johns Box Co., Palatka	10 19 20 22 30 33

SPANISH MOSS
Vego Hair Co., Gainesville

VENEER BLOCKS AND LOGS	
Muller, John, Box 163, Pierson	08 19 20 30
St. Johns Box Co., Palatka	10 19 20 22 30 33

WAKULLA COUNTY

DISTILLATION TIMBER
Newport Industries, Inc., Pensacola

HEWN TIE TIMBER	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 33
Wethington, John A., Box 872, Tallahassee	08 19 20 33

NAVAL STORES STUMPS	
Newport Industries, Inc., Pensacola	04 05
Turner, M. L., Wakulla	04 05

PILING TIMBER	
Brock, J. H., 414 Shelby St., Live Oak	08
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

WAKULLA COUNTY (Continued)

POLE TIMBER	Species
Brock, J. H., 414 Shelby St., Live Oak	08
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Covington, Jack L., Quincy	08
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Hart, Wm. S., Quincy	08
King, Fred W., Sneads	08
Middlebrooks, Rob Centennial Bldg., Tallahassee	08
Taff, A. B., and Sons Taff Bldg., Tallahassee	08
Waller and Durham Co., Youngstown	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Davis, Forrest, Quincy	08
Elberta Crate Co., Tallahassee	08 19 20 33
Lewis, D. M., and Co., Belleair	08
McCall and Barineau Lumber Co. Rt. 3, Box 117A, Tallahassee	08
Miller, John L., Lumber Co., Hosford	02 08 19 20 33
Robinson and Owens Mill Rt. 5, Box 180, Tallahassee	08
Sopchoppy Lumber Co., Inc., Sopchoppy	02 08 19 20 33 35
Stoutamire, Jessie Star Route, Box 55, Tallahassee	02 08
Strickland, Austin, Rt. 6, Box 170, Tallahassee	08 33
Tomlinson Lumber Corp., Lloyd	08
Tully, Charles W., Crawfordville	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

VENEER TIMBER	
Elberta Crate Co., Tallahassee	33
Florida Veneer and Lumber Co., Monticello	06 19 20 22 30 33
Southern Plywoods, Greenville	08 19 20 33

HEWN TIES	
Gibson Paperwood Co., Inc. Box 711, Tallahassee	08
Shelley, W. P., Jr. and Helen P. O. Box 882, Tallahassee	08 19 20 33
Wethington, John A., Box 872, Tallahassee	08 19 20 33

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04
Consolidated Naval Stores Co. Box 418, Jacksonville	04

PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Escambia Treating Co., Box 1710, Pensacola	08

WAKULLA COUNTY (Continued)

	Species
Woods, J. I., Buyer Eppinger and Russell Co. [illegible]	[illegible]
[illegible]	
Consolidated Naval Stores Co. Box 418, Jacksonville	[illegible]
Gibson Paperwood Co., Inc. Box 711, Tallahassee	[illegible]
Middlebrooks, Rob Centennial Bldg., Tallahassee	[illegible]
Taff, A. B., and Sons Taff Bldg., Tallahassee	[illegible]
[illegible]	[illegible]
[illegible]	
Davis, Forrest, Quincy	[illegible]
Elberta Crate Co., Tallahassee	[illegible]
Hannon Lumber Co., Tallahassee	02 08
Lewis, D. M., and Co., Belleair	08
Miller, John L., Lumber Co., Hosford	02 08 [illegible]
Robinson and Owens Mill Rt. 5, Box 180, Tallahassee	08
Sopchoppy Lumber Co., Inc., Sopchoppy	02 08 [illegible] 33 35
Stoutamire, Jessie Star Route, Box 55, Tallahassee	02 08
Strickland, Austin, Rt. 6, Box 170, Tallahassee	08 23
Tomlinson Lumber Corp., Lloyd	08
SHUTTLE BOLTS	
Medgentra Ltd., U. S. A. Box 902, Tallahassee	17 28
VENEER BLOCKS AND LOGS	
Elberta Crate Co., Tallahassee	[illegible]
Florida Veneer and Lumber Co., Monticello	06 19 20 22 29 30 33
INDEPENDENT LOGGERS	
Harvey, R. A., Crawfordville	
Hodge, M. D., Sopchoppy	
Raker, T. A., Wakulla	
Randolph, Chancey, Wakulla	
Revells, Sam, Sopchoppy	
Russ, R. L., Wakulla	
Taff, W. R., Crawfordville	

WALTON COUNTY

	Species
DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	[illegible]
FENCE POST TIMBER	
Bishop, E. N., Argyle	[illegible]
HEWN TIE TIMBER	
Key, Wiley, Buyer The Koppers Co., Chipley	[illegible]
NAVAL STORES STUMPS	
Cotton, E. J., Florala, Alabama	04 05
Lawson, [illegible], Buyer Newport Industries, Crestview	04 05
McLaughlin, Willie, De Funiak Springs	04 05
Newport Industries, Inc., Pensacola	04 05
Stiller, C. D., Freeport	04 05

WALTON COUNTY (Continued)

	Species
NAVAL STORES STUMPS	
Williams, Floyd, Santa Rosa	04 05
PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, S. E., Munson	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Ward, R. M., Ponce de Leon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
POLE TIMBER	
Clary, Glendel G., Laurel Hill	04 05
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Hardy, S. E., Munson	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Rogers, T. E., Rt. 1, Box 285, Laurel Hill	04 05 23
Ward, R. M., Ponce de Leon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
PULPWOOD TIMBER	
Berry, J. W., Chipley	08
Bishop, E. N., Argyle	08
Bishop, G. M., Argyle	08
Clary, Glendel G., Laurel Hill	08
Douglas, W. D., Crestview	08
Estes Timber Co., Cantonment	08
Layman, T. D., De Funiak Springs	04 05
Morris, Ben, De Funiak Springs	08
Rogers, T. E., Rt. 1, Box 285, Laurel Hill	05 06
Stokes, J. C., Laurel Hill	08
Vaughan, Hertis, Redbay	08
Ward Pulpwood Co., Cottondale	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
SAW TIMBER	
Adkison, O. G., De Funiak Springs	08 20 23 33
Alger-Sullivan Lumber Co., Century	01 02 08 23 33
Barnhill, Hub, Crestview	08 19 20 23 33
Brake, A. G., R. F. D., Ponce de Leon	02 08
Brown, Grady F., Rt. 1, Westville	02 08 19 23
Campbell, Sam, Rt. 1, Darlington	01 02 08 19 20 22 23
Cauley, H. O., De Funiak Springs	02 08 30
Enfinger, Wallace, Ponce de Leon	02 08 23
Garner, V. E., Lumber Co., Caryville	01 02 08 10 19 20 22 23 30 33
Goodwin, E. L., De Funiak Springs	02 08
Hall, E. L., Ponce de Leon	02 08
Harrison, O. C., Caryville	02 08

WALTON COUNTY (Continued)

SAW TIMBER	Species
Heath Trading Co., Leonia	02 08 10 19 20 23 30 33
Hodges and Arnold Lumber Co., Caryville	02 08
Hodges, H. C. 312 Baldwin Avenue, De Funiak Springs	02 08 33
Holland Lumber Co., Ponce de Leon	02 08
Logan Lumber Co., Samson, Alabama	08
Mills, J. R., Niceville	08
Mitchell, Lewis, Rt. 2, Laurel Hill	08 12 18 23
Morris, D. L., De Funiak Springs	08
Pryor, A., Darlington	08 33
Robinson, S. R., Westville	02 08
Roche, Sam, Vernon	01 08
Rogers, T. E., Rt. 1, Box 285, Laurel Hill	06 06
Russell, Alva, Rt. 1, Westville	02 08 10 19 20 23 30 33
St. Joe Lumber and Export Co., Port St. Joe	02 08 [illegible]
Scott and Murphy Lumber Co., Ponce de Leon	02 08 19 20 30 33
Southard, J. F., Lumber Co., Ponce de Leon	02 08 [illegible] 33 35
Stiller, Wm., Redbay	02 08 30
Stokes, J. C., Laurel Hill	06 06
Vaughan, Hertis, Redbay	02 08 30
Williams Brothers, De Funiak Springs	01 08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Yarborough, C. P., Lumber Co. Rt. 1, Darlington	02 08 10 19 20 23 29 30 33

VENEER TIMBER	
Jackson Veneer Co., Laurel Hill	19 20 33

HEWN TIES	
Key, Wiley, Buyer The Koppers Co., Chipley	08 12 19 20

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Peninsular-Lurton Co., Pensacola	04 05

PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	06
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
St. Regis Paper Co., Cantonment	08

SAWLOGS	
Barnhill, Hub, Crestview	08 19 20 23 33

WALTON COUNTY (Continued)

SAWLOGS	Species
Enfinger, Wallace, Ponce de Leon	02 08 23
Garner, V. E., Lumber Co., Caryville	01 02 08 19 20 23 30 33
Goodwin, E. L., De Funiak Springs	02 08
Hall, E. L., Ponce de Leon	02 08
Harrison, O. C., Caryville	02 08
Hodges and Arnold Lumber Co., Caryville	02 08
Hodges, H. C. 312 Baldwin Avenue, De Funiak Springs	02 08 33
Holland Lumber Co., Ponce de Leon	[illegible]
Logan Lumber Co., Samson, Alabama	08
Robinson, S. R., Westville	02 08
Roche, Sam, Vernon	02 08
St. Joe Lumber and Export Co., Port St. Joe	[illegible]
Southard, J. F., Lumber Co., Ponce de Leon	02 08 30 33 35
Yarborough, C. P., Lumber Co. Rt. 1, Darlington	[illegible]

VENEER BLOCKS AND LOGS	
Dailey and Pierce, De Funiak Springs	[illegible]

INDEPENDENT LOGGERS
Hardy, W. P., De Funiak Springs
Stokes, J. W., De Funiak Springs

WASHINGTON COUNTY

COOPERAGE TIMBER	
Bonifay Heading Co., Bonifay	08

DISTILLATION TIMBER	
Newport Industries, Inc., Pensacola	09

FENCE POST TIMBER	
Morrell, Obie T., Star Route, Ebro	09

HEWN TIE TIMBER	
Key, Wiley, Buyer The Koppers Co., Chipley	08 19 20

NAVAL STORES STUMPS	
Jett, C. J., Chipley	04 05
Lawhon, O. C., Buyer Newport Industries, Crestview	04 05
Newport Industries, Inc., Pensacola	04 05

PILING TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Ward, R. M., Ponce de Leon	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLE TIMBER	
Escambia Treating Co., Box 1710, Pensacola	08
Godwin, M. E., Rt. 2, Brewton, Alabama	08
Lowery, A. M., Rt. 283, East Brewton, Alabama	08
Middleton, Frank, Loxley, Alabama	08
Pensacola Creosoting Co., Pensacola	08
Ward, R. M., Ponce de Leon	08

WASHINGTON COUNTY (Continued)

POLE TIMBER	Species
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD TIMBER	
Barefoot, W. E., Rt. 2, Bonifay	08
Berry, G. M., Chipley	08
Berry, J. W., Chipley	08
Bishop, G. M., Argyle	08
Mercer, W. G., Wausau	08
Riley, H. W., Wausau	08
Ward Pulpwood Co., Cottondale	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

SAW TIMBER	
Anderson, L. L., Westbay	08 19 20 23
Brown, W. C., Rt. 2, Bonifay	02 08
Bush, Carl, Vernon	[illegible]
Enfinger, Wallace, Ponce de Leon	[illegible]
Everitt Brothers Co., Chipley	02 08
Garner, V. E., Lumber Co., Caryville	01 02 08 10 [illegible]
Griffith, F. E., Bonifay	02 08
Hall, E. L., Ponce de Leon	02 08
Hammock, A. L., Rt. 1, Caryville	01 02 08 19 [illegible]
Harrison, O. C., Caryville	02 08
Hodges and Arnold Lumber Co., Caryville	02 08
Hodges, H. C. 312 Baldwin Avenue, De Funiak Springs	[illegible]
Hodges Lumber Co., Marianna	02 08 20
Keith, G. T., Rt. 1, Caryville	02 08
May, E. N., Vernon	1 02 08 19 20 30 33
Morris, E. H., Rt. 4, Chipley	02 08
Nickols, A. D., Rt. 4, Chipley	02 08
Pelham, J. I., Rt. 1, Box 222B, Marianna	08 20 22
Pleas, Alex, Chipley	02 08 19 20 23 30
Potter, Leslie, Vernon	02
Railey, J. J., Rt. 1, Box 66, Panama City	08
Railey, J. P., Rt. 1, Box 66, Panama City	02 04 05
Reeder, J. P., Crystal Lake	02 08
Retherford, W. B., Rt. 1, Caryville	02 08 19 20 23
Robinson, S. R., Westville	02 08
Roche, Sam, Vernon	01 08
Smith, J. W., Bonifay	02 08 19 20 23 30 33
Speller, T. W., Sneads	08 19 20
Taylor, G. N., Rt. 3, Graceville	02 08 19 20 23 30
Williams, F. H., Alford	04 05
Williams, J. M., Rt. 3, Bonifay	02 08 33
Williams, Lloyd, Cottondale	02 08 19 20 23 30 33
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08
Yarborough, C. P., Lumber Co. Rt. 1, Darlington	02 08 10 19 20 23 29 30 33

WASHINGTON COUNTY (Continued)

COOPERAGE BOLTS	Species
Bonifay Heading Co., Bonifay	08

FENCE POSTS	
Bowen, F. L., Box 132, Youngstown	02 04 09
Howell, Homer, Bonifay	08
Morrell, Obie T., Star Route, Ebro	09

HEWN TIES	
Key, Wiley, Buyer The Koppers Co., Chipley	08 12 19 20

NAVAL STORES GUM	
Boynton, W. J., and Son, Inc. P. O. Box 932, Tallahassee	04 05
Consolidated Naval Stores Co. Box 418, Jacksonville	08

PILES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

POLES	
Escambia Treating Co., Box 1710, Pensacola	08
Pensacola Creosoting Co., Pensacola	08
Woods, J. I., Buyer Eppinger and Russell Co. Rt. 4, Gainesville	08

PULPWOOD	
Consolidated Naval Stores Co. Box 418, Jacksonville	08
Pleas, Alex, Chipley	08
St. Regis Paper Co., Cantonment	08

SAWLOGS	
Brown, W. C., Rt. 2, Bonifay	02 08
Enfinger, Wallace, Ponce de Leon	02 08 23
Everitt Brothers Co., Chipley	02 08
Garner, V. E., Lumber Co., Caryville	01 02 08 19 20 23 30 33
Hall, E. L., Ponce de Leon	02 08
Hammock, A. L., Rt. 1, Caryville	02 08 19 20 23 30 33
Harrison, O. C., Caryville	02 08
Hodges and Arnold Lumber Co., Caryville	02 08
Hodges, H. C. 312 Baldwin Avenue, De Funiak Springs	02 08 33
Keith, G. T., Rt. 1, Caryville	02 08
May, E. N., Vernon	01 02 08 19 30 33
Morris, E. H., Rt. 4, Chipley	02 08
Pleas, Alex, Chipley	02 08 19 20 23 30
Porter, C. H., Millers Ferry	02 08 19 20 23 30 33
Railey, J. J., Rt. 1, Box 66, Panama City	02 04 05
Railey, J. P., Rt. 1, Box 66, Panama City	02 04 05
Robinson, S. R., Westville	02 08
Roche, Sam, Vernon	02 08
Smith, J. W., Bonifay	02 08 19 20 23 30 33
Williams, F. H., Alford	04 05
Williams, J. M., Rt. 3, Bonifay	02 08 33
Williams, Lloyd, Cottondale	02 08 19 20 30 33

WASHINGTON COUNTY (Continued)

SAWLOGS	Species
Yarborough, C. P., Lumber Co. Rt. 1, Darlington	08 19 30 33 09 30 35

SHUTTLE BOLTS	
Capshaw, J. D., Marianna	17

INDEPENDENT LOGGERS

Bateman, Tom, Caryville
Brock, J. E., Vernon
Brock, John, Vernon
Broxton, Kirk, Caryville
Dykes, A. D., Rt. 1, Box 5, Vernon

WASHINGTON COUNTY (Continued)

INDEPENDENT LOGGERS — Species

Dyson, Jake, Caryville
Garner, Grady, Caryville
Jackson, Britt, Caryville
Miller, C. E., Vernon
Retherford, D. W., Caryville
Rich, H. Y., Caryville
Richardson, David, Caryville
Sellars, K. W., Caryville
Strickland, Willie, Ebro
Taylor, B. F., Wausau

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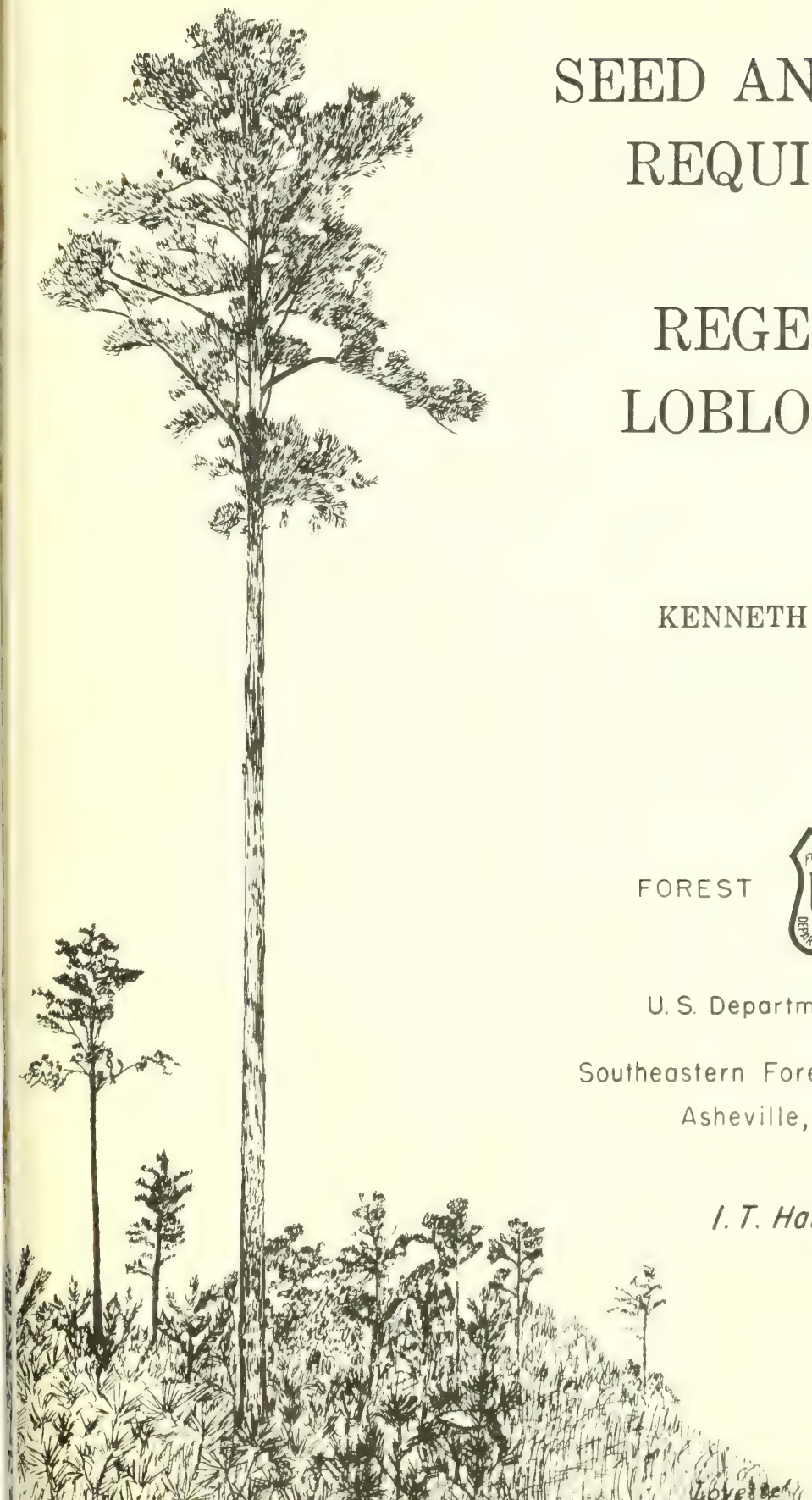


SEED AND SEEDBED REQUIREMENTS TO REGENERATE LOBLOLLY PINE

BY

KENNETH B. TROUSDELL

FOREST SERVICE

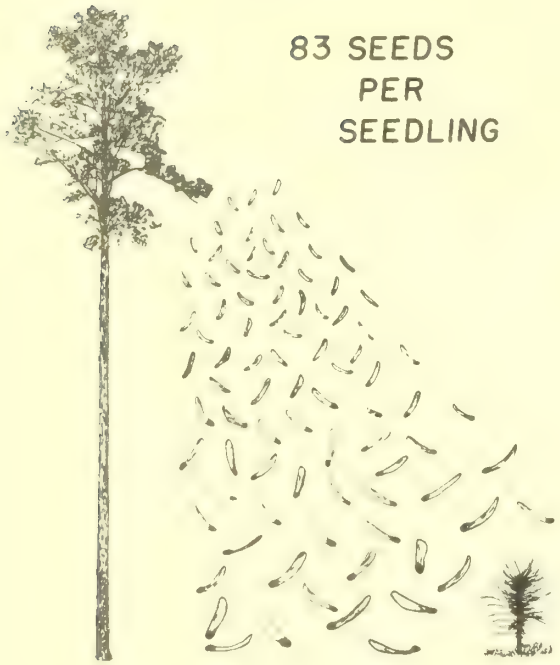
U. S. Department of Agriculture

Southeastern Forest Experiment Station
Asheville, North Carolina

I. T. Haig, Director

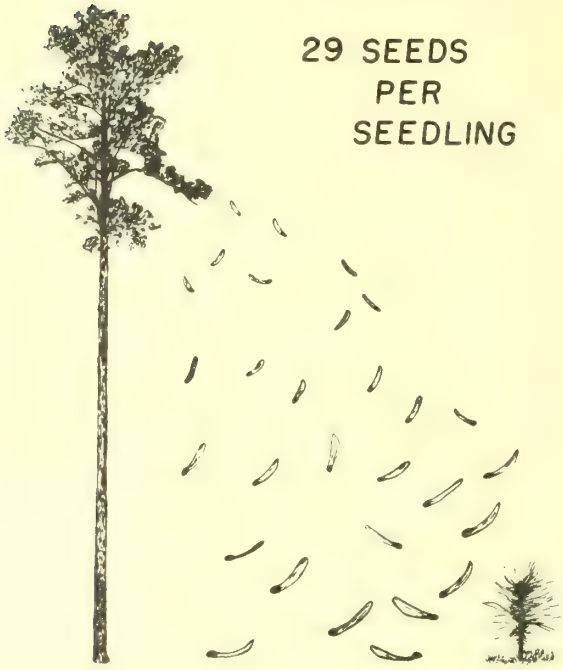
ON SLASH

83 SEEDS PER SEEDLING



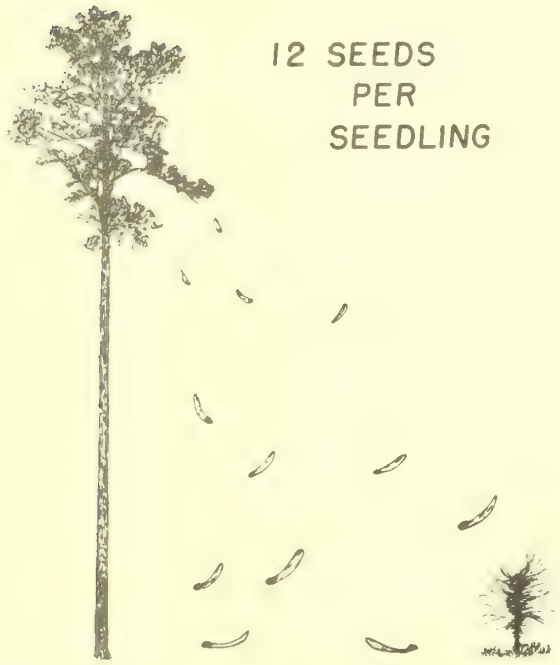
ON UNDISTURBED SURFACE

29 SEEDS PER SEEDLING



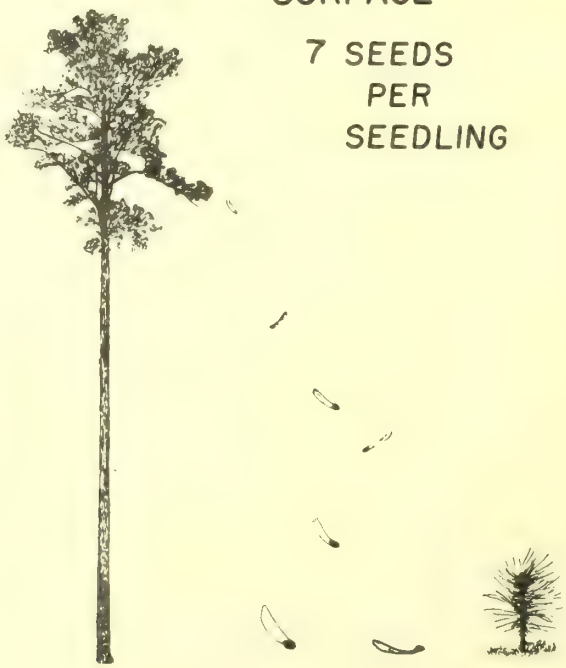
ON BURNED SURFACE

12 SEEDS PER SEEDLING



ON LOGGED AND DISKED SURFACE

7 SEEDS PER SEEDLING



Number of seeds needed to establish one seedling on different classes of seedbed.

SEED AND SEEDBED REQUIREMENTS TO REGENERATE LOBLOLLY PINE

by

Kenneth B. Trousdell

The reproduction of loblolly pine is too complex a process to be explained successfully by post-mortems held over areas on which seedlings have or have not become established. Variations in seed supply, seedbed condition, and number, species, and size of hardwoods ordinarily confuse the observer. A better basis for judgment is developing from studies on experimental forests where careful observations before and after cutting supplement the results of more fundamental investigations. The purpose of this paper is to summarize the observations made on compartments in the Bigwoods Experimental Forest[1/] as an aid to improvement in methods of reproduction cutting and seedbed preparation.

A better understanding of loblolly seedling establishment can be had by considering it the result of three inter-related processes. These are: (1) provision for seed, (2) germination and early survival, and (3) competition with surrounding vegetation. The present discussion will be limited to the first two because detailed information about competition has not yet been obtained. In places where the need for removal of competition is obvious, methods have been developed that are suitable for large-scale application (2).

1/ Maintained by the Southeastern Forest Experiment Station in cooperation with Camp Manufacturing Company, Inc., Franklin, Virginia.

FUNDAMENTAL INFORMATION

Loblolly pine has been found to produce seed crops varying greatly in magnitude from year to year. Soundness of the seed increases in general as the size of the seed crop increases (4). There is also great variation in seed production between individual trees. Large trees and those with abundant old cones in the crown are usually the most prolific seed trees (5). Studies have shown that trees released for three growing seasons produce greatly increased volumes of high-quality seed even in years of generally poor cone production (4,5,7). The possibility of correlating reproduction cutting with seed supply through cone-crop estimates and release cuttings has also been pointed out (7).

It has been repeatedly shown that mineral soil is the most favorable seedbed for loblolly pine. Recent studies by Grano (3) and Pomeroy (6) showed that soil and litter conditions found after logging or burning have a direct bearing on the number of seeds that will germinate. Grano's work was on field plots in a selection forest in Arkansas, and Pomeroy's was a controlled greenhouse study. Both show that exposed mineral soil is the best seedbed, and logging slash the poorest. Undisturbed litter comes somewhere in between. Pomeroy also found that burned areas provided more favorable conditions for germination than were found on undisturbed litter, but burns were not as good as logged areas.

REPRODUCTION CUTTINGS IN THE BIGWOODS EXPERIMENTAL FOREST

Use has been made of the available fundamental information in making plans for studies of loblolly pine regeneration in the Bigwoods. Reproduction cutting has been completed on about 350 acres with soils ranging from sandy loams to heavy silt loams. Seed traps provide an estimate of seedfall, and milacre plots are used to gauge the seedling catch. Good seedbeds have become well stocked when small amounts of seed were available. Poor and mediocre seedbeds have become fairly well stocked with reproduction following a bumper seed crop.

Ground has been prepared before seedfall in three ways: by logging with a crawler tractor and arch; by disking before logging, using a bush and bog harrow; and by broadcast burning when the slash has cured after logging. After treatment, each logging unit is sampled to determine the percentage of the area in each of the following seedbed classes: disturbed, burned, undisturbed, and slash. The plots established for later reproduction surveys are similarly classified. Average conditions for each method of seedbed preparation are given in table 1.

Table 1.--Seedbed classes resulting from three methods of site preparation

Site preparation	Seedbed classes[1/]			
	Disturbed	Burned	Undisturbed	Slash
	Percent	Percent	Percent	Percent
Logged	49	0	31	20
Logged and burned	35	49	15	1
Disked and logged	79	0	4	17

1/ Disturbed is classed as a very good seedbed, burned as good, undisturbed as fair, and slash as poor.

Following the first growing season after logging, reproduction is tallied by seedbed condition. Seedling counts have been made at the end of each of the past three growing seasons. This reproduction tally and the estimate of seedfall from seed traps then provide the basis for an estimate of the number of sound seeds needed to produce a seedling. The number of seed has fluctuated within narrow limits for the very good (disturbed) seedbed, and over wider limits as the seedbed gets progressively poorer. For plots classified as very good the range of seeds needed to establish a seedling has been from 3.8 to 8.7, with 6.6 as the weighted average. For burned plots the range was 5.3 to 13.3, with 11.6 as the average. For undisturbed plots the variation was between 5.5 and 54.3, with an average of 29.3. For slash plots there was a complete blank on two logging units, and on three others the number of seeds per seedling ranged from 32.0 to 96.9, with 83.2 as the average. A graphic means of predicting the number of seedlings per acre that will become established on a given type of seedbed from a known volume of seed is shown in figure 1.

The number of seedlings needed to assure full stocking has not been determined for loblolly pine. The stocked quadrat method of estimating stocking provides a base figure, however, to which estimates of adequacy can be referred. It is used here for convenience, with "full stocking" indicating one or more seedlings established in each sample milacre.

The distribution of seedlings on a uniform seedbed after uniform seed distribution is purely random. Losses during the first season may disturb that even distribution of seedlings. In the Bigwoods, disturbances from this source apparently are not serious, because variation in the stocking obtained from a given number of seedlings is limited to a very narrow range.

In the Bigwoods, where heavy equipment covers the

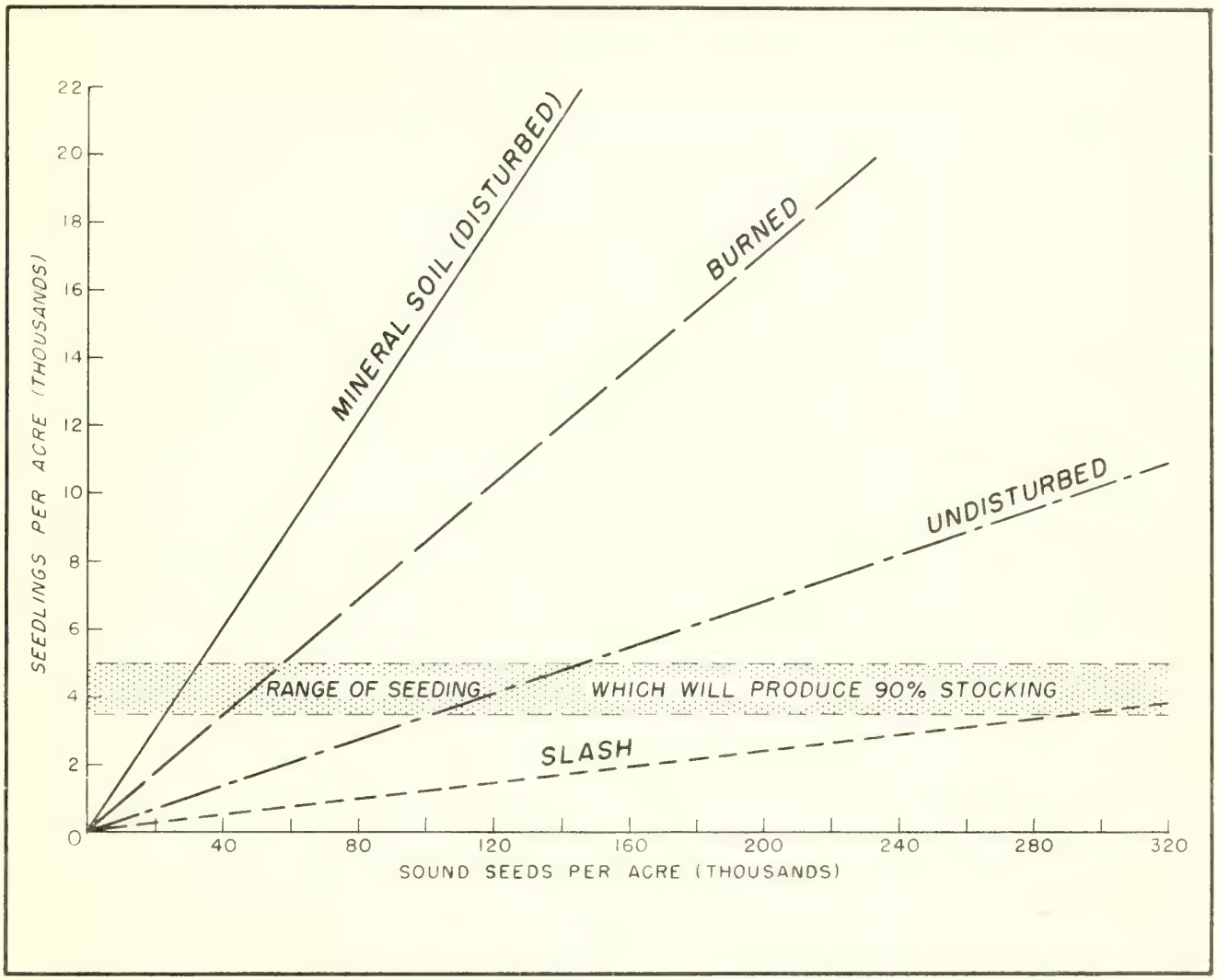


Figure 1.--Number of seedlings produced from various amounts of sound seed by four classes of seedbed.

logging unit thoroughly to remove large volumes, the stocking achieved with a given number of seedlings is only 5 to 10 percent less than on a uniform seedbed (fig. 2). Where lesser volumes are logged, and by other types of equipment, the variation in stocking may be greater.

PROVIDING AN ADEQUATE SEED SUPPLY

The number of sound seed per acre produced by seed strips or scattered seed trees in the Bigwoods has ranged in a period of four years from 4,000 to 146,000. Because this mature seed source during that period has not furnished enough seed to heavily stock undisturbed areas and slash piles, the practical goal of management should probably be to provide a seed source that will stock a seedbed of exposed mineral soil at a fairly high level. In the absence of well-founded rules for stocking, a stand of reproduction which will have one seedling or more on 90 percent of sample milacres is suggested as a good target. For Bigwoods soil conditions, which are fairly typical of a large portion of the Virginia and North Carolina coastal plain, this would require 3500 to 5000 seedlings per acre (fig. 3). The seed supply needed to produce that many seedlings the first growing season on a disturbed seedbed ranges from about 20,000 to 37,000 per acre (fig. 1).

What type of seed source is fairly certain to produce this minimum volume of seed? The answer involves the age of the timber, its previous cutting history, and selection of good seed producers (5). The story is not complete, but some approximations are available from the experimental forest records for large loblolly pine trees averaging 20 inches d.b.h. and 80 to 150 years old that grew in an undisturbed forest. The range of seeding shown in table 2 was secured from seed trap and inventory records. All seed trees selected

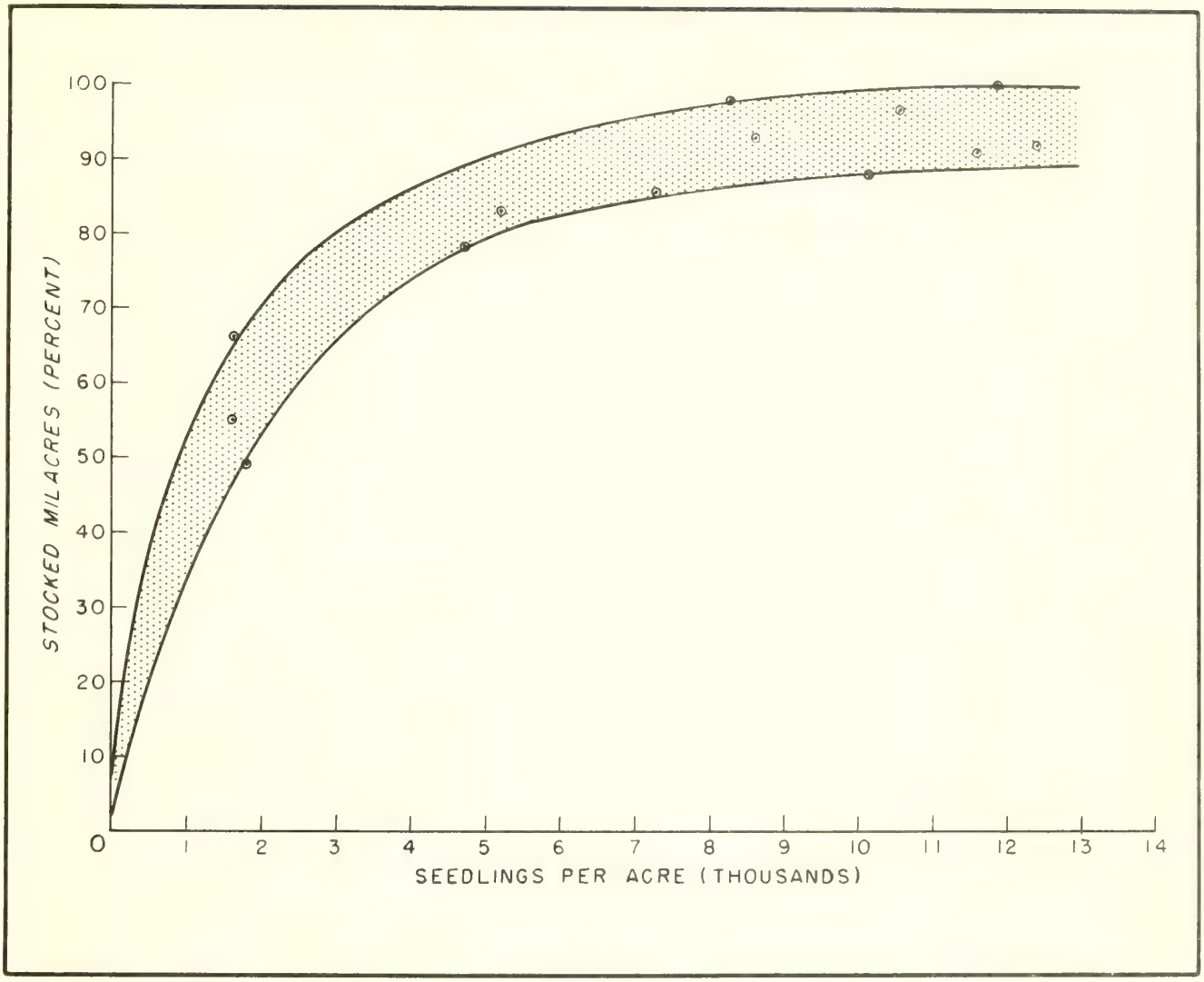


Figure 2.--Percent of sample milacres with one or more seedlings when compartment has given number of seedlings per acre. The band in the diagram shows the range of values observed in three years' tests.

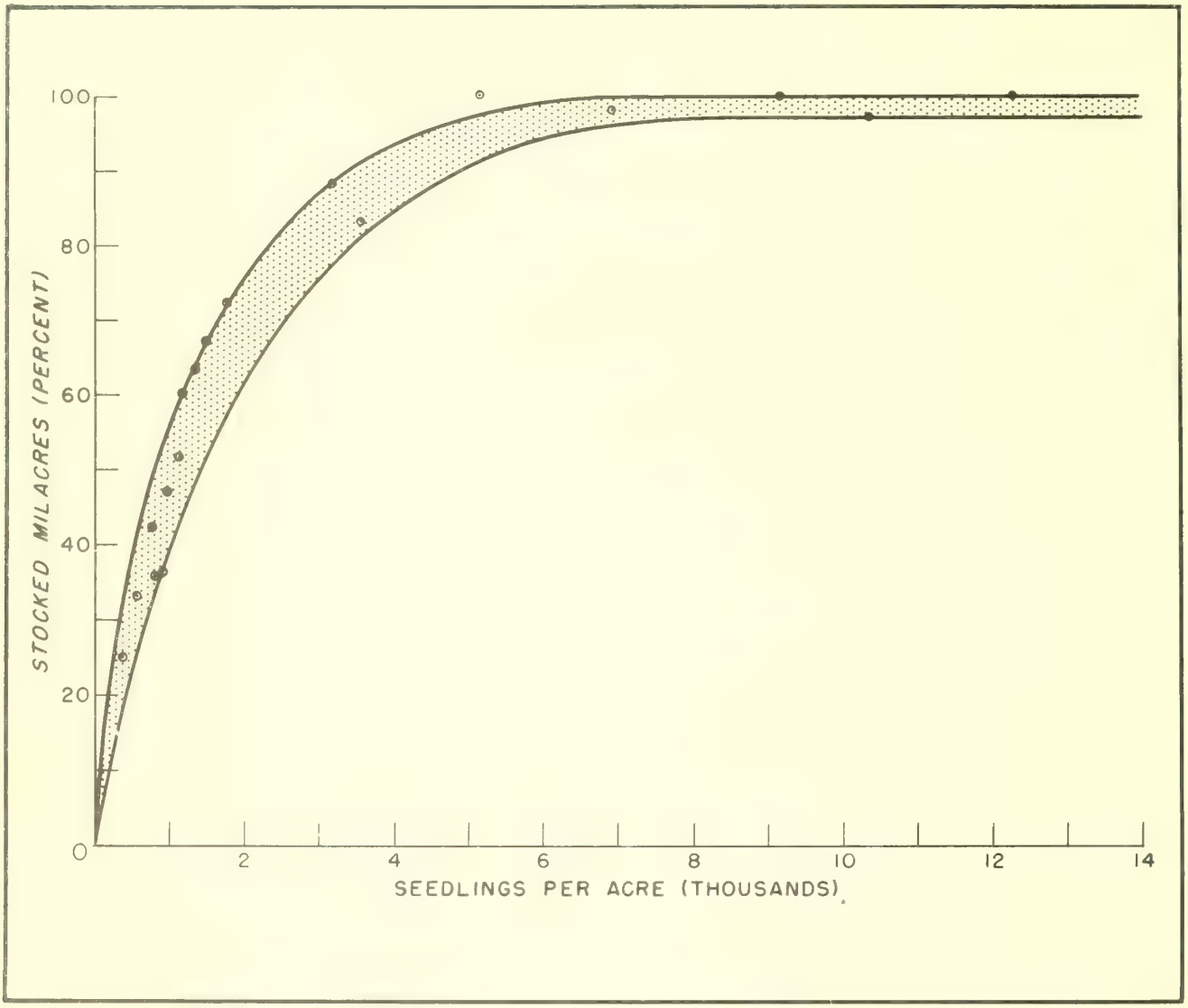


Figure 3.--Relation between number of 1-year-old seedlings per acre and percent stocking on any uniform seedbed. Full (100%) stocking occurs when every milacre has one or more seedlings. The band in the diagram shows the range of values observed in three years' tests.

as such are included, and seed-producing trees in strips, selection stands, and undisturbed stands were assumed to be all trees 14 inches d.b.h. and over (table 2).

Table 2.--Sound seed per tree by seed year and cutting history

Cutting history	1946	1947	1948	1949
	Thousand	Thousand	Thousand	Thousand
Not stimulated	8.9-13.1	7.9-14.1	0.3 - 0.6	1.3-2.4
Stimulated by release				
Following 3 growing seasons			9.0 -11.7	1/ 4.2
Following 4 growing seasons				14.7-20.8

1/ A selection forest dense in patches.

If 20,000 to 37,000 sound seed are required the first year to stock 90 percent of the best seedbed with seedlings, how many seed trees per acre were necessary on the experimental forest to produce this amount of seed? From table 2, in 1946 the best-producing stand (13.1 thousand sound seed per tree) would require but two trees, averaging 20 inches d.b.h., to furnish 20,000 sound seed. This will be called the minimum seed tree requirement for that year. The poorest producing stand (8.9 thousand sound seed per tree) would require five trees to produce 37,000 sound seed. This will be called the maximum seed tree requirement (table 3).

Table 3.--The minimum and maximum numbers of 20-inch Bigwoods seed trees needed to produce 20,000 and 37,000 sound seed per acre by years

Kind of seed trees:	1946		1947		1948		1949	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Not stimulated	2	5	2	5	33	123	9	29
Stimulated 3 yrs.					2	4	1/5	9
Stimulated 4 yrs.							1	3

1/ A selection forest.

Careful selection of the best seed trees is important but the seed crop from unstimulated seed trees will follow the general pattern of annual loblolly pine seed production. The annual fluctuation of loblolly pine seed production is large. Trees that have been stimulated by release have produced large crops during poor seed years.

The few records available for younger unreleased trees indicate that they are less dependable sources of seed. Selected 40-year-old trees near Courtland, Virginia, each produced 210 sound seeds in 1949. That year, seed trees in the Bigwoods produced 1300 to 2400 sound seed per tree. In other words, the seed production of a single Bigwoods tree equalled that from about ten of the 40-year-old trees. In that same year 76 percent of selected 25-year-old seed trees on a nearby tract had no cones on them at all.

From these records it is evident that seed will quite often be inadequate if portions of a previously uncut stand are left to produce it. Prior release of the seed trees through partial cuttings gives promise of encouraging seed production at the time it is needed (table 3). Another possibility is to plan reproduction cutting only in good seed years. If cutting cannot be deferred till a good seed year or till release of seed trees is effective, logging in the winter when the seed from the whole stand is on the ground may produce satisfactory reproduction.

Additional seed has much the same effect as added seedbed preparation on the percent stocking. A comparison can be made from table 4, which was prepared by combining the information shown in table 1, figure 1, and figure 2. If 30,000 sound seed are available, the percent stocking can be increased 11 percent, from 67 to 78, by disking before logging. Approximately the same result could be achieved by adding an extra 10,000 seeds. Consequently, the gauging of seed supply should become an increasingly important part of plans for successful first-year establishment of seedlings.

Table 4.--Percent stocking on three types of seedbed with variable amounts of seed

Sound seed	Stocking		
	Logged	Logged & burned	Disked & logged
Thousand	Percent	Percent	Percent
10	40	44	49
20	56	61	68
30	67	72	78
40	77	81	87
50	83	87	91

LOSSES OF SEED AND SEEDLINGS

An estimate of loblolly seed requirements made in 1940 set the minimum needed to assure full stocking at 200,000 to 300,000 per acre (1). These large amounts of seed were considered necessary to allow for anticipated heavy losses to birds, rodents, insects, and drought. During the past four years, however, there have been no excessive losses of this type in the Bigwoods. As observations are carried on over a longer period, a better evaluation of seed losses will be possible.

HARDWOOD CONTROL

Most of the treatments that are designed to improve the seedbed also reduce the amount of competition seedlings will have from hardwoods. Usually this dual purpose is recognized and the cost of the operation is charged off both to seedbed preparation and hardwood control. No effort has been made in this paper to evaluate hardwood control treatments, though studies of this problem are now in progress. From the evidence regarding seedbed preparation, however, it is likely that such costs as burning, disking, and bulldozing after cutting will have to be justified by the benefits in hardwood control alone, since extra seed has the same effect as seedbed preparation and is probably cheaper to provide. On the other hand, if regeneration of cutover areas is delayed for several years so that hardwoods become well established and a layer of litter develops on the forest floor, a combination treatment that will control hardwoods and prepare the seedbed may be necessary before pine will seed in.

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